

villages, ought to be carefully and correctly estimated. The result of enquiries instituted in different districts ought to be carefully compared, and incoherencies and differences explained. It is thus only that we can arrive at correct statistics regarding this great scourge, which, from the descriptions given, would, at its height, have borne no ill comparison to the great plague of London.

Various are the causes which are ascribed to have given origin to this epidemic,—want of drainage, exuberant jungle, accumulation of the filth of ages in cesspools, &c., come in for their share: nor does the railway, a novelty in this country, escape the odium of having brought the epidemic in its train. It would not be wide of the mark to admit that these causes might have contributed to accelerate the spread of the disease; and the railway might have obstructed the natural drainage of the country; but I am led to think, the real cause of the epidemic still lies undiscovered. It is erroneous to decide on the basis now set forth. Places similarly situated as respects the river and natural drainage fared far differently. At Kanchrapara the epidemic was violent; at Santipore it was scarcely felt. The same may be said of Beernugger and Ranaghat, which are within four miles distance of each other. So the real cause of the epidemic has, I think, yet to be discovered. From what I have personally observed, I have been struck at the number of undrained holes and cesspools in each village. The lower orders build their walls and floors with mud; and the brick used in the construction of the houses of the rich is made of clay, dug from neighbouring pools. The older and richer the village, the greater is the number of these undrained pools of water, breeding miasma and noxious effluvia. At Jagooly the natural drainage has been obstructed by the erection of bunds across the Sooty river, which runs south of the town. The imperial road also passes over this river; and no bridge is provided for the free passage of water. The series of tanks into which the bed of the Sooty has been thus converted is a fruitful source of malaria.

(Sd.) RAM SHUNKER SEIN,  
*Deputy Magistrate.*

Memorandum from BABOO RAM SHUNKER SEIN, Deputy Magistrate,—(No. 596, dated Ranaghat, the 29th June 1869.)

FORWARDED to the magistrate of Nuddea, with reference to his No. 2061, dated 2nd June 1869.

From the Assistant Magistrate of Chocadangah, to the Magistrate of Nuddea,—(No. 282, dated the 25th June 1869.)

SIR,

WITH reference to your memorandum No. 2060, dated 2nd January 1869, on the subject of epidemic fever, the only villages in this sub-division in which the epidemic fever has prevailed are Natuda, Yoyrampore and Symydia.

The first has suffered continually since 1860, the two others since 1864; in these the disease is due to the dense jungle.

From J. TWEEDIE, Esq., Joint Magistrate, to the Magistrate of Nuddea,—(No. 263, dated Kishnaghur, the 25th June 1869.)

SIR,

YOUR No. 2057, dated 2nd June 1869.

I regret to say that I have found it impossible to collect, within a fortnight, a history of the epidemic fever for the past nine years.

2. I am doing all I can to collect some information on the subject, which is a most intricate one, and more suited for detailed investigation during a cold-weather tour, than to be reported on off hand.

3. I have been obliged to apply to the police, and cannot say precisely when my final report may be ready; but no time will be lost in transmitting to you the result of my enquiries.

*Statement shewing the villages in the sudder sub-division where epidemic fever was prevalent from 1860.*

Names of thannahs.	Names of villages.	Date between which fever was prevalent.	REMARKS.
Châprah ...	Moharajpore ...	From 1860-61 to 1869	No trustworthy information is to be obtained as to how many persons fell victims to the epidemic, and it seems better to give no figures, than figures which can at best represent guesses at the truth.
Kissengunge ...	Digumborpore ...	" " " 1863	
	Ashwari ...	" 1863 " 1864	
	Bahadoorpore ...	Ditto ...	
	Bhalooka ...	" 1865-66 ...	
	Bhandarcola ...	" 1863-64 ...	
	Bohargachia ...	Ditto ...	
	Bramhonpara ...	" 1864-65 ...	
	Bramhunpoowaria ...	Ditto ...	
	Deypara ...	Ditto ...	
	Dhooboolia ...	" 1863-64 ...	
	Digunggor ...	" 1862-63 ...	
	Dagachia ...	Ditto ...	
	Gobrapota ...	" 1863-64 ...	
	Jatrapore ...	" 1866-69 ...	
	Joania ...	" 1865-66 ...	
	Joypore ...	" 1866-69 ...	
Kutwali ...	Kamarhati ...	" 1864-65 ...	
	Kishnaghur ...	" 1863-65 ...	
	Kamarpara ...	" 1863-64 ...	
	Khanpore ...	Ditto ...	
	Mayacole ...	Ditto ...	
	Nawapara ...	Ditto ...	
	Nobodwipa ...	Ditto ...	
	Naldoho ...	Ditto ...	
	Paninala ...	Ditto ...	
	Poccooria ...	" 1865-66 ...	
	Roccooupore ...	" 1863-64 ...	
	Roodropara ...	Ditto ...	
	Shadhonpara ...	Ditto ...	
	Shinghatee ...	Ditto ...	
	Shondanga ...	Ditto ...	
	Shorack ...	Ditto ...	
	Badhillogram ...	" 1860-65 ...	
Nakashipara ...	Bangoniah ...	Ditto ...	
	Miryipara ...	Ditto ...	
	Raripara ...	Ditto ...	

Memorandum from J. TWEEDIE, Esq., Magistrate of Kishnaghur,—(No. 274, dated Kishnaghur, the 1st July 1869.)

FORWARDED in answer to the magistrate's No. 2057, dated 2nd January 1869.

From the Deputy Magistrate of Bongong, to the Magistrate of Nuddea,—(No. 258, dated the 17th July 1869.)

With reference to your memorandum No. 2062, dated 2nd ultimo, on the subject of informations regarding epidemic fever, I have the honor to send herewith a tabular statement therein called for.



## Bongong Sub-division.

Year.	Names of villages.	Population.	Number of persons attacked.	Number died.	Duration of sickness.	Degree of the severity of the sickness.	Situation of village or probable cause of its insanitary condition.
1860-61	Borumpore	400	300	200	About 3 years	Severe	On the side of a bheel.
"	Nishchindypore	250	180	100	" 2 "	Ditto	Jungly place.
"	Shimoolia	500	375	300	" 4 "	Ditto	Ditto.
"	Issapore	500	150	92	" 2 months	Ditto	On the side of a river.
"	Moheshpore	3,000	300	200	" 5 "	Ditto	Ditto of the river Bhoirub.
1861-62	Ranthapara	450	200	150	" 1 year	Ditto	Ditto of a khal.
1862-63	Sosundanga	400	200	130	" 3 months	Ditto	Ditto of the Issamutty.
"	Futteh-pore	2,066	400	250	" 8 "	Ditto	Ditto of a bawore. (sic)
1863-64	Monohurpore	260	125	100	" 2 "	Ditto	Ditto of a bheel.
"	Gobrapore	1,000	315	115	" 6 "	Ditto	Ditto of a bawore.
"	Kewiepara	403	175	65	" 7 "	Ditto	Ditto ditto.
"	Garrapotta	1,473	438	144	" 9 "	Ditto	Ditto ditto.
"	Komlapore	1,093	333	111	" 5 "	Ditto	Ditto
"	Shoonderpore	271	119	53	" 4 "	Not severe	Ditto of a bawore.
"	Moheshpore	2,800	1,000	250	" 4 "	Severe	Ditto of the Bhoirub.
"	Poorunderpore	450	150	75	" 2 "	Ditto	Ditto ditto.
1864-65	Jhondanga	296	82	50	" 2 "	Not severe	Ditto of the Issamutty.
"	Parmadooleh	499	189	79	" 6 "	Ditto	Ditto ditto.
"	Korungo	439	60	42	" 5 "	Ditto	In the midst of a field.
"	Hurryathpore	461	51	32	" 5 "	Ditto	Ditto ditto.
"	Guatoli	559	200	125	" 5 "	Severe	Ditto ditto.
"	Kandbilla	592	300	150	" 5 "	Ditto	Ditto ditto.
1865-66	Shindrali	1,155	165	71	" 5 "	Not severe	On the side of a bawore.
"	Joka	99	25	14	" 3 "	Ditto	In the midst of a field.
"	Lowtara	158	31	18	" 3 "	Ditto	Ditto ditto.
"	Poorpara	650	300	175	" 1 year	Severe	On the side of a bawore.
"	Samunta	1,500	400	150	" 6 months	Ditto	Ditto of Kodla. (sic)

1866-67	Konnaera	...	350	50	40	1 1/2	Not severe	...	Ditto of a bawore.
"	Shoenderpore	...	250	50	25	1	Ditto	...	In the midst of a field.
"	Matteahara	...	325	100	60	1	Severe	...	Ditto ditto.
"	Hoodla	...	260	60	25	1	Not severe	...	On the side of a bheel.
"	Kooley	...	512	45	26	3	Ditto	...	Ditto of kodla.
"	Rungbat	...	271	47	21	2	Ditto	...	Ditto of Futehpore bawore.
"	Ekarpore	...	560	200	80	3	Severe	...	In the midst of a field.
"	Hoodahseerapore	...	700	302	150	3	Ditto	...	On the side of the river Bhoirub.
"	Moheshpore	...	2,550	350	100	1 1/2	Ditto	...	
1867-68	Amakala	...	58	37	25	1	Ditto	...	Ditto of river Jumna.
"	Barackpore	...	390	50	25	1	Not severe	...	Ditto of bawore.
"	Gopalnagar	...	2,000	500	300	2	Ditto	...	Ditto ditto.
"	Panchpotta	...	350	150	100	1	Severe	...	Ditto of the Issamutty.
"	Amdobe	...	602	205	109	1 year	Ditto	...	Ditto of Betna.
"	Bansghatta	...	771	97	52	6 months	Ditto	...	Ditto of kodla.
"	Nuckpore	...	885	105	40	5	Not severe	...	Ditto of a bawore.
"	Shamkoon	...	2,074	500	175	3	Severe	...	Ditto of the Issamutty.
1868-69	Panchitta	...	489	40	33	2	Not severe	...	Ditto of a bawore.
"	Asbaroo	...	560	45	39	2	Ditto	...	Ditto ditto.
"	Jhondunga	...	112	40	25	1	Severe	...	Ditto of the Issamutty.
"	Bajaekhanpore	...	931	208	61	3	Not severe	...	In the midst of a field.
"	Bagampore	...	1,028	250	38	1	Ditto	...	On the side of a bawore.
"	Malbaria	...	1,502	300	69	1 1/2	Severe	...	Ditto of the Issamutty.
"	Shookpookhurie	...	1,083	150	44	1/2	Ditto	...	In the midst of a field.
"	Poolianpore	...	254	50	28	1 week	Ditto	...	On the side of the Issamutty.
"	Bolihuddrapore	...	250	100	26	3	Ditto	...	Ditto of a bawore.
"	Solanempore	...	340	90	32	1/2 month	Ditto	...	Ditto ditto.
"	Shamkoond	...	1,950	100	47	1/2	Ditto	...	Ditto of the Issamutty.
"	Shatpotta	...	177	20	14	1 week	Ditto	...	In the midst of a field.

MOHEEMA CHUNDER PAL,

Deputy Magistrate.

BONGONG,

The 17th July 1869.



From J. WESTLAND, Esq., Officiating Magistrate of Jessore, to the Commissioner of the Presidency Division,—(No. 177G, dated Jessore, the 23rd November 1869.)

I HAVE the honor to forward the map of epidemic fever required by your No. 12, dated 26th May 1869. You will observe that it shews that the nature of the fever was simply that it extended all over the district, so that there is no occasion for me to submit a report as to any presumable local causes. There is fever every year, after the commencement of the cold season in this district, and it is really difficult to say that it tends towards certain localities, or seems affected by any causes that are common to the whole district. The outbreak of the cold season 1865-66 was of longer duration and more violent than in other years, and it is the only year during which any remarkable outbreak took place. Almost all the marks on the map refer to that outbreak, and there is little besides that outbreak to notice beyond a few isolated cases, such as Ghoreehpore last year.

In default of colors, the places are marked with a line and a number, which gives the year. Thus 5, means 1865, and 6, 1866.

The map will, I am afraid, tend but little to elucidate the history of epidemic fever; but the reason of this is, that the circumstances of the fever in this district afford very little ground for inferences as to particular causes or effects.

*Statement of villages in the District of Jessore affected by the late epidemic fever of 1865-66.*

Pergunahs.	Villages.	Years.	Percentage mortalities.	REMARKS.
Mahomedshye ...	Romarbaugh	... 1865-66 ...	2½	
	Juradah	... Ditto ...	3	
	Blisbanipore	... Ditto ...	2	
	Hurishpore	... Ditto ...	52.78	
	Hudapore	... Ditto ...	2	
	Kholishakondee	... Ditto ...	3	
	Bhooputtipore	... Ditto ...	3	
	Bagasara	... Ditto ...	2	
	Trinanee	... Ditto ...	2	
	Kholbarria	... Ditto ...	2	
	Rajnaghur	... Ditto ...	1	
	Bolorampore	... Ditto ...	1	
	Purabhatti	... Ditto ...	2½	
	Narainpore	... Ditto ...	1	
	Hodaandulputta	... Ditto ...	1	
	Hurinakoond	... Ditto ...	2	
	Tulla	... Ditto ...	...	
	Falsee	... Ditto ...	...	
	Jungleparra	... Ditto ...	...	
	Parbuttypore	... Ditto ...	1	
	Baroda	... Ditto ...	2	
	Kotubpore	... Ditto ...	...	
	Falbarria	... Ditto ...	1	
	Roopdoha	... Ditto ...	2	
	Patooria	... Ditto ...	2	
	Chandpore	... Ditto ...	2	
	Baradee	... Ditto ...	2	
	Khajora	... Ditto ...	2	
	Jhunda	... Ditto ...	2	
	Gobindpore	... Ditto ...	2	
	Kallicapore	... Ditto ...	2	
	Karraparra	... Ditto ...	2	
	Hamda	... Ditto ...	2	
	Baroipare	... Ditto ...	2	
	Landhia	... Ditto ...	2	
	Chotolia	... Ditto ...	2	
	Jadarapara	... Ditto ...	2	
	Doorgapore	... Ditto ...	2	
	Hoodabattia	... Ditto ...	2	
	Bazrooknarainpore	... Ditto ...	2	
	Gana	... Ditto ...	2	
	Jalallpore	... Ditto ...	2	
	Talshur	... Ditto ...	2	
	Lukhicoonda	... Ditto ...	2	
	Bullorampore	... Ditto ...	2	
	Dhoodshur	... Ditto ...	2	
	Kotchandpore	... Ditto ...	2	
	Selamanpore	... Ditto ...	2	
	Bullabarria	... Ditto ...	2	
	Paspattila	... Ditto ...	2	
	Ballidanga	... Ditto ...	2	
	Tilia	... Ditto ...	2	
	Singee	... Ditto ...	2	
	Mustafafor	... Ditto ...	2	
	Tilcoopi	... Ditto ...	2	
	Horgobindpore	... Ditto ...	2	
	Kamulhut	... Ditto ...	2	
	Nuldanga	... Ditto ...	2	



Pergunnahs.	Villages.	Years.	Percentage mortalities.	REMARKS.
Mahomedshye. —(Continued.)	Dhonashurgatti ...	1865-66...	2	
	Jethur Bhabanipore...	Ditto ...	2	
	Kallichurnpore ...	Ditto ...	2	
	Lohojhanga ...	Ditto ...	2	
	Kanchunnagur ...	Ditto ...	2	
	Doorgapore ...	Ditto ...	2	
	Pabohatty ...	Ditto ...	2	
	Palami ...	Ditto ...	2	
	Fazilpore ...	Ditto ...	2	
	Foolia ...	Ditto ...	2	
	Dhoodshur ...	Ditto ...	2	
	Woomedpore ...	Ditto ...	2	
	Baroipara ...	Ditto ...	2	
	Salcoopa ...	Ditto ...	2	
	Hara ...	Ditto ...	2	
	Sreerampore ...	Ditto ...	2	
	Sreepore ...	Ditto ...	2	
	Borrisaut ...	Ditto ...	2	
	Nohatta ...	Ditto ...	2	
	Radhanughur ...	Ditto ...	2	
	Hazrapore ...	Ditto ...	2	
	Nareehatty ...	Ditto ...	2	
	Ramnughur ...	Ditto ...	2	
	Doorgapore ...	Ditto ...	2	
	Mogoora ...	Ditto ...	1	
	Pala ...	Ditto ...	1	
	Senodpore ...	Ditto ...	1	
	Mahomedpore ...	Ditto ...	1	
	Sotogatpore ...	Ditto ...	1	
	Amria ...	Ditto ...	1	
	Rajapore ...	Ditto ...	1	
	Nohatta ...	Ditto ...	1	
	Ponneshurpore ...	Ditto ...	1	
	Joyrampore ...	Ditto ...	1	
	Nalia ...	Ditto ...	1	
	Sayapore ...	Ditto ...	1	
	Baliadanga ...	Ditto ...	1	
	Nuldee ...	Ditto ...	1	
	Majpara ...	Ditto ...	1	
	Mogoora ...	Ditto ...	1	
Nuldee	Sreehaut ...	Ditto ...	2	
	Digga ...	Ditto ...	2	
	Boicantpore ...	Ditto ...	2	
	Baribhanga ...	Ditto ...	2	
	Sahabazpore ...	Ditto ...	2	
	Dhopadoba ...	Ditto ...	2	
	Chorkalee ...	Ditto ...	2	
	Moochira ...	Ditto ...	2	
	Ramnathpur ...	Ditto ...	2	
	Lohagurrah ...	Ditto ...	2	
	Arera ...	Ditto ...	2	
	Lukhipassa ...	Ditto ...	2	
	Paneel ...	Ditto ...	2	
	Chatahattipara ...	Ditto ...	2	
	Noapara ...	Ditto ...	2	
	Panchoria ...	Ditto ...	2	
	Bhawkhally ...	Ditto ...	2	
	Ghorakhally ...	Ditto ...	2	
	Nurail ...	Ditto ...	2	
	Rozkhally ...	Ditto ...	2	
	Shakhatee ...	Ditto ...	2	

Pergunnahs.	Villages.	Year.	Percentage mortalities.	REMARKS.
Nuldee.—(Continued.)	Dahapara	... 1865-66...	2	
	Gubra	... Ditto ...	2	
	Dhoriapur	... Ditto ...	2	
	Barpara	... Ditto ...	2	
	Diggoolia	... Ditto ...	2	
	Churkhalee	... Ditto ...	2	
	Burrokalia	... Ditto ...	2	
	Manikoolia	... Ditto ...	2	
	Madhulipur	... Ditto ...	2	
	Ranagauth	... Ditto ...	2	
	Dhoolgram	... Ditto ...	2	
Essahpur	Shidhipara	... Ditto ...	2	
	Sheetkhalee	... Ditto ...	2	
	Boitolla	... Ditto ...	2	
	Katoolia	... Ditto ...	2	
	Bandanga	... Ditto ...	2	
	Nareecolharia	... Ditto ...	2	
	Tolcoopee	... Ditto ...	2	
	Khajoor	... Ditto ...	2	
	Khanpur	... Ditto ...	2	
	Dohakhoola	... Ditto ...	2	
	Sooltannagur	... Ditto ...	2	
	Jaundia	... Ditto ...	2	
	Hogladanga	... Ditto ...	2	
	Moothorapur	... Ditto ...	2	
Sahoojial	Gooroolia	... Ditto ...	2	
	Kologpara	... Ditto ...	2	
	Kasthanga	... Ditto ...	2	
	Samnugur	... Ditto ...	2	
	Chowgatchee	... Ditto ...	2	
	Jamria	... Ditto ...	2	
	Monmothopur	... Ditto ...	2	
	Majulee	... Ditto ...	25	
	Chandpur	... Ditto ...	25	
	Digulshinga	... Ditto ...	25	
	Koirapara	... Ditto ...	25	
	Pitumburpur	... Ditto ...	25	
	Janghirpur	... Ditto ...	25	
	Fotapur	... Ditto ...	25	
	Boirah	... Ditto ...	25	
	Palna	... Ditto ...	25	
	Monohurpur	... Ditto ...	17	
	Khoertolla	... Ditto ...	17	
	Puratonkosbah	... Ditto ...	68	
	Sakhatty	... Ditto ...	50	
	Barandee	... Ditto ...	50	
	Sultanpur	... Ditto ...	50	
	Jhumghumpore	... Ditto ...	50	
	Neelgunge	... Ditto ...	50	
	Khorkee	... Ditto ...	50	
	Bangchur	... Ditto ...	50	
	Sunkurpur	... Ditto ...	50	
	Baliadangah	... Ditto ...	50	
	Moralee	... Ditto ...	50	
	Ashanugur	... Ditto ...	50	
	Ramnugur	... Ditto ...	15	
	Battoria	... Ditto ...	20	
Syedpur	Aprah	... Ditto ...	57	
	Singah	... Ditto ...	5	



Pergunnahs.	Villages.	Years.	Percentage mortalities.	REMARKS.
Syedpore.--(Continued.)	Nurrendropur	... 1865-66...	5	
	Mohakal	... Ditto ...	5	
	Jozpore	... Ditto ...	2	
	Machua	... Ditto ...	2	
	Khanpur	... Ditto ...	80	
	Fedipur	... Ditto ...	5	
	Majetpur	... Ditto ...	5	
	Jumlah	... Ditto ...	5	
	Tagoria	... Ditto ...	5	
	Kalligunge	... Ditto ...	5	
	Keshubpore	... Ditto ...	5	
	Bamundanga	... Ditto ...	5	
	Moolgram	... Ditto ...	5	
	Sadbaria	... Ditto ...	5	
	Trimohinee	... Ditto ...	5	
	Jhappa	... Ditto ...	5	
	Bankra	... Ditto ...	5	
	Bullha	... Ditto ...	5	
	Gudokhalee	... Ditto ...	5	
	Erendah	... Ditto ...	5	
Ramchanderpore	Ghossnagger	... Ditto ...	2	
	Nutla	... Ditto ...	2	
	Mohindee	... Ditto ...	2	
	Baroothath	... Ditto ...	2	
	Atarooie	... Ditto ...	2	
	Qalla	... Ditto ...	2	
	Dhonganorla	... Ditto ...	2	
	Arooshoghur	... Ditto ...	2	
	Roypore	... Ditto ...	2	
	Kassimnagar	... Ditto ...	2	
Shahoosh	Aladeepur	... Ditto ...	2	
	Kazeepatta	... Ditto ...	2	
	Rojukpur	... Ditto ...	2	
	Kopilmoni	... Ditto ...	2	
	Nochirpore	... Ditto ...	2	
	Sreerampore	... Ditto ...	2	
	Pattimaree	... Ditto ...	2	
	Huridashkatti	... Ditto ...	2	
	Wootoodanga	... Ditto ...	2	
	Shonatonkath	... Ditto ...	2	
	Kaietpara	... Ditto ...	2	
	Koshkholla	... Ditto ...	2	
	Gobindpore	... Ditto ...	2	
	Bhankar	... Ditto ...	2	
	Porakath	... Ditto ...	3	
	Bandeekatti	... Ditto ...	2	
	Tantolltolla	... Ditto ...	2	
	Modukholee	... Ditto ...	2	
	Diggla	... Ditto ...	2	
	Talikhallee	... Ditto ...	2	
	Foolbari	... Ditto ...	2	
	Talikhallee	... Ditto ...	2	
	Taltollah	... Ditto ...	2	
	Hatalbomia	... Ditto ...	2	
	Bajapore	... Ditto ...	2	
	Khalboonia	... Ditto ...	2	
	Hooglabonia	... Ditto ...	2	
	Berat	... Ditto ...	2	
	Fooltollah	... Ditto ...	2	
	Foolbaria	... Ditto ...	2	
	Joypore	... Ditto ...	2	

Pergunnahs.	Villages.	Year.	Percentage mortalities.	REMARKS.
Shahoosh.-(Continued.)	Baliadanga ...	1865-66...	2	
	Karia ...	Ditto ...	2	
	Narainkhallee ...	Ditto ...	2	
Molooyee ...	Chandkhallee ...	Ditto ...	2	
	Paikgatcha ...	Ditto ...	2	
	Soladongha ...	Ditto ...	2	
	Kamurkhola ...	Ditto ...	2	
	Tildongah ...	Ditto ...	2	
Selimabad ...	Kallygunge ...	Ditto ...	2	
	Madhubkuth ...	Ditto ...	2	
	Horakhallee ...	Ditto ...	2	
Chagontea ...	Noapara ...	Ditto ...	2½	
	Dhopadee ...	Ditto ...	2½	
	Taltollah ...	Ditto ...	2½	
	Wooturdee ...	Ditto ...	2½	
	Rajghat ...	Ditto ...	2½	
	Dhokindhee ...	Ditto ...	2½	
	Tikee ...	Ditto ...	2½	
	Fooltollah ...	Ditto ...	2½	
	Alka ...	Ditto ...	2½	
	Damodhur ...	Ditto ...	2½	
	Masali ...	Ditto ...	2½	
	Atra ...	Ditto ...	2½	
	Gillatollah ...	Ditto ...	2½	
	Digoolia ...	Ditto ...	2½	
	Mohashurpore ...	Ditto ...	2½	
	Dowlutpore ...	Ditto ...	2½	
	Pubnapore ...	Ditto ...	2½	
	Khalishpore ...	Ditto ...	2½	
	Khoolna ...	Ditto ...	2½	
	Jamria ...	Ditto ...	2½	
	Darootia ...	Ditto ...	2½	
	Roodhagurra ...	Ditto ...	2½	
	Hazidanga ...	Ditto ...	2½	
	Gulna ...	Ditto ...	2½	
	Notoon ...	Ditto ...	2	
	Domoria ...	Ditto ...	17	
	Bandurpara ...	Ditto ...	2	
	Dhokinmokal ...	Ditto ...	2	
	Bojitpore ...	Ditto ...	2	
	Bamundia ...	Ditto ...	2	
	Gonrikhona ...	Ditto ...	2	
	Narainpore ...	Ditto ...	2	
	Hudd ...	Ditto ...	25	
	Madardanga ...	Ditto ...	25	
	Panjea ...	Ditto ...	25	
Ramchanderpore	Sreerampore ...	Ditto ...	2	
	Shahapore ...	Ditto ...	2	
	Shikurpore ...	Ditto ...	2	
	Ghopsbona ...	Ditto ...	2	
	Moonoohraghur ...	Ditto ...	2	
	Meherpore ...	Ditto ...	2	
	Shogurdaree ...	Ditto ...	2	
	Bagga ...	Ditto ...	2	
	Dadpore ...	Ditto ...	2	
	Noakati ...	Ditto ...	2	
	Kaimkolla ...	Ditto ...	2	
	Hariaghope ...	Ditto ...	2	
	Tatollia ...	Ditto ...	2	
	Dhobaria ...	Ditto ...	2	



Pergunnahs.	Villages.	Year.	Percentage mortalities.	REMARKS.
Ramchanderpore { —(Continued.)	Mirjapore ...	1865-66...	2	
	Tolla ...	Ditto ...	2	
Selimabad ...	Catchoa ...	Ditto ...	2½	
	Bishkallee ...	Ditto ...	2½	
	Sangdia ...	Ditto ...	2½	
	Ramnathpore ...	Ditto ...	2½	
	Morrellgunge ...	Ditto ...	2½	
	Saralia ...	Ditto ...	2½	
	Badartolla ...	Ditto ...	2½	
Hoogla and Che- roolia.	Naihalpore ...	Ditto ...	2½	
	Serampore ...	Ditto ...	2½	
	Gellatolla ...	Ditto ...	2½	
	Bahirdia ...	Ditto ...	2½	
	Samantoshana ...	Ditto ...	2½	
	Deapara ...	Ditto ...	2½	
	Rohimabad ...	Ditto ...	2½	
	Gomalee ...	Ditto ...	2½	
	Karapara ...	Ditto ...	2½	
	Bachbaria ...	Ditto ...	2½	
	Fottapore ...	Ditto ...	2½	
	Boietpore ...	Ditto ...	2½	
	Bistpore ...	Ditto ...	2½	
	Baghaut ...	Ditto ...	2½	
	Hurrikhallee ...	Ditto ...	2½	
	Gallapara ...	Ditto ...	2½	
	Panighat ...	Ditto ...	2½	
	Chapatolla ...	Ditto ...	2½	
Sooltanpore ...	Jatrapore ...	Ditto ...	2½	
	Moolghur ...	Ditto ...	2½	
	Kohathair ...	Ditto ...	2½	
	Astal ...	Ditto ...	2½	
	Garadhair ...	Ditto ...	2½	
	Woodoypore ...	Ditto ...	2½	
	Korfa ...	Ditto ...	2½	
Belfoolia ...	Dewtodanga ...	Ditto ...	2½	
	Dooroolia ...	Ditto ...	2½	
	Baroipara ...	Ditto ...	2½	
	Gangnee ...	Ditto ...	2½	
	Patarkhool ...	Ditto ...	2½	
	Khoomarool ...	Ditto ...	2½	
	Okonakhola ...	Ditto ...	2½	
	Patoola ...	Ditto ...	2½	
	Koshna ...	Ditto ...	2½	
	Pattiladanga ...	Ditto ...	2½	
	Patilahanga ...	Ditto ...	2½	
	Korbaria ...	Ditto ...	2½	
	Gopalnugur ...	Ditto ...	2½	
	Sreefultolla ...	Ditto ...	2½	
	Chandneemobut ...	Ditto ...	2½	
	Senhatti ...	Ditto ...	2½	
	Panighaute ...	Ditto ...	2½	
	Digghia ...	Ditto ...	2½	
Belfoolia ...	Baranchpore ...	Ditto ...	2½	
	Noyehatti ...	Ditto ...	2½	
	Masargath ...	Ditto ...	2½	
	Doomra ...	Ditto ...	2½	
	Ambaria ...	Ditto ...	2½	
	Gaza ...	Ditto ...	2½	
	Ghosegatti ...	Ditto ...	2½	

J. WESTLAND,  
Officiating Magistrate.

## Report of a Tour of Inspection on the Soane Canal Works by the Chief Engineer of Irrigation.

FROM COLONEL F. H. RUNDALL, R.E., Joint-Secretary to the Government of Bengal, in the Public Works Department, Irrigation Branch, to the Secretary to the Government of India, in the Public Works Department,—(No. 821., dated 14th February 1870.)

I AM directed to forward the accompanying memorandum by the chief engineer of Irrigation, detailing the result of his inspection of the works which are being carried on in connection with the Soane canal project.

The Lieutenant-Governor trusts the Government of India will agree with him in considering that the progress which has been made during the past twelve months is satisfactory, and creditable alike to the superintending engineer and to all the officers under his orders.

*Memorandum by COLONEL F. H. RUNDALL, R.E., Chief Engineer, Bengal, Irrigation Department.*

ON the 14th January I reached Arrah, the present head-quarters of the superintending engineer, Soane circle, and on the 18th I started with him along the line of the Arrah canal, the whole length of which has now been marked out from the point where it leaves the western main canal to the junction with the Ganges. For the first 24 miles of the distance, plans and estimates have been already submitted to this Government by the superintending engineer; but, under the recent orders of the Government of India, these plans have not been forwarded, pending the completion of the surveys and estimates for the whole line. The tract of country included between the river Soane and the drainage stream called the Kao, comprising an area of 866 square miles, has been minutely cross-levelled, with sections taken at a mile apart, so that the features of the country have been perfectly mapped, and the direction of the main line, as well as that of the principal distributaries, is at once apparent.

2. I rode along the whole length of the line, 24 miles of which, as above observed, have been estimated for in detail, and the surveys of the remainder are in course of preparation.

3. On arrival at Dehree I proceeded to inspect the work, which has been carried out there thus far—the earth-work for the tramway from the quarries to the river has been completed, with the exception of the top dressing. The cover stones have yet to be laid on the culverts.

It has been possible to collect only about 6,000 sleepers at present for the tramway, but the superintending engineer expects to have all the rest supplied during the present season.

Thirteen bungalows and one office have been finished and are occupied, and 12 more are in course of erection.

Lines for the accommodation of 3,000 coolies have been completed, and for 2,000 more are in course of construction.

Nine blocks of buildings for native clerks, &c., have been finished and are occupied.

A large quantity of the machinery and stores sent out from England have been conveyed to Dehree. Very good arrangements have been made by the superintending engineer for this rather difficult operation, by engagements entered into with an influential contractor for the conveyance by country carts of all such machinery as can be possibly stowed on them, while special carts have been built at the workshops for the engines and other heavy machinery, which, with very few exceptions, have been delivered without accident,—a subject for congratulation, considering the imperfect roads which exist in Shahabad.

One shed composed of angle-iron uprights, with stone walls and corrugated zinc roof, has been hastily run up for present purposes as a workshop, in which a few of the machines have been put together and the most pressing work has been turned out. Temporary sheds have likewise been erected for the stowage of the stores and materials which are daily arriving; and, as it was necessary to ensure the safe custody of the timber and other stores which are not placed in the sheds, an enclosure wall of dry rubble-stone has been built up round the space enclosed for the workshops and stores.

4. The plans for the permanent workshops had been drawn out before my arrival, and after examining them I directed the estimates to be prepared and submitted without delay. It is most important that these buildings should be constructed as soon as possible, for the heat at Dehree is so excessive, that it is impossible for artificers to work unless thoroughly sheltered; while the valuable machinery would be perfectly ruined, unless protected from the clouds of dust which envelop the place during the time that the westerly winds prevail. About 550 logs of sal have been procured, at very reasonable prices, from the timber marts on the Ganges for constructing the frames of the stone waggons, the iron-work of which has all arrived. The operations on the Soane forests have been carried on satisfactorily as far as the felling of the timber is concerned, though difficulty has been experienced in its removal and conveyance to Dehree.

5. *Anicut.*—The foundation blocks for the lower retaining walls of the under sluices have been built, and operations to sink them commenced by means of Fourcares' excavator. The action of this tool was most satisfactory, and it is so simple that, though the coolies employed upon it were quite inexperienced, yet in half an hour the gangs who were sinking the eight blocks, which were being experimented upon, worked at the rate of one lift per minute, and



the blocks sunk from 9 to 10 inches per hour. The mortar with which the blocks had been built, however, was inferior; and as one of them cracked badly, it was thought better to stop the sinking and remove the injured block at once. The lime which had been used was that obtained from the quarry at Murgohi, in which there are many varieties of limestone. I was not satisfied with the quality of the lime, and directed its discontinuance for all work in the river bed, as the "kunkur," or nodular limestone, which is procurable in sufficient quantities, possesses all the properties of hydraulic mortar, and is the best that can be used. The blocks were built of rubble-stone, and the curbs are made of bamboos, so fitted together as to make a very stiff frame. In order to lessen the difficulty of laying the concrete flooring 4 feet below the surface of the water in the river, the superintending engineer has proposed to sink masonry blocks under the whole floor; and, by thus dividing the spaces, the setting of the concrete will proceed more surely and effectively. The works which it is expected will be carried out this season, are the foundation and flooring to the under sluices, the abutments, the head sluices to the western main canal, and the locks on both flanks; also 600 to 700 feet in length of the foundation of the anicut itself. A large quantity of materials, both stone and lime, has been prepared and stacked. The excavations for the head sluices and locks have been taken out to within 6 feet of floor-level, and the masonry, it is expected, will be commenced in another month.

6. *Stone Quarries.*—A good commencement has been made in opening the stone quarries at Dhodand, along a face measuring nearly half a mile in length. About 4,00,000 cubic feet of stone have been quarried and stacked, and a gang of 600 men was at work on the day that I visited the quarries, but there had been an unsuccessful strike amongst the laborers for higher wages shortly before. On the right bank, at Baroon, the excavation for the lock and anicut abutment had made good progress, and large quantities of limestone and firewood had been collected, and the manufacture of bricks also was in progress.

7. At Baroon two small bungalows for assistants had been built, and a third bungalow for the executive engineer was in course of erection.

8. The total number of laborers employed on the works connected with the anicut was about 3,500.

9. *Canals.*—The eastern main canal has been commenced almost throughout the whole eight miles from the head to the Poon-poon. It had been set out for a width of 60 feet at base before the orders of the Government of India limiting the width to 50 feet had been communicated; but as the nature of the soil will admit of slopes of  $1\frac{1}{2}$  to 1, the actual sectional area of excavation will be about the same as a width of 50 feet at base with side slopes of 2 to 1. A very large quantity of work has been done, and there seems every reason to expect that the excavation of the eight miles will be completed during the present season, with the exception of the deep cutting near the head. The refusal of the Government of India to sanction at present the head sluices and the bridge for the Trunk Road will, however, prevent the canal being of use as early as it might otherwise be. About 2,500 people were employed on this canal. I visited the site of the Poon-poon aqueduct. A set of borings had been taken, and a section drawn shewing the different strata of soil met with in the line of the aqueduct.

10. On the western main canal, with the exception of three miles situated between the 9th and 12th mile, ground has been broken along the whole twenty-three miles between Dehree and the Trunk Road crossing beyond Sasseram. About one-third of the work in the deep excavation at the head has been finished, and the last ten miles are in a very forward state. Very little, however, has been done as yet towards collecting material for the syphons and other masonry works. The canal here has likewise been laid out for a 60 feet base, which is exactly one-third of the full ultimate width; and, as so much had been done, and by the reduction in the slopes the sectional area would be nearly the same, I instructed the superintending engineer to adhere to that width. The progress made on the earthwork of this canal is very satisfactory; and, if more force could be brought to bear on the deep excavations at the head, I think it by no means improbable that, by the time the freshes of 1871 arrive, the works should be sufficiently advanced to admit of 4 feet of water being let into the canal. There was a force of 4,500 people employed upon it. Thus from the Poon-poon to Sasseram, a distance of thirty miles measured along the two canals, there are nearly 11,000 men in all employed.

11. The rates at which the work thus far has been executed are somewhat less than those allowed for the earthwork; but, on going carefully into the data, the rates allowed for the masonry are insufficient and will have to be raised. The total sum sanctioned for the head works will, as far as I can see, be sufficient, but the cost of the individual works will be somewhat different. That of the anicut will be less, while that of the sluices and the locks will be greater.

12. Besides the works above detailed, the whole length of the Arrah canal, sixty miles, and fifty miles more of the western main canal, have been staked out, as well as forty miles of the branch canal to Patna.

13. Seeing that nearly the whole staff has had to be collected; their office establishments organized; shelter, of which there was literally next to nothing previously available, provided; and a season of extraordinary heat, aggravated by great scarcity to contend with, I consider the progress which has been made during the last twelve months exceedingly creditable to the superintending engineer and all the executive officers under his orders.

From COLONEL J. C. ANDERSON, R.E., Officiating Deputy Secretary to the Government of India, in the Public Works Department, to the Joint-Secretary to the Government of Bengal, in the Public Works Department, Irrigation Branch,—(No. 103, dated the 24th February 1870.)

I AM directed to acknowledge receipt of your letter No. 821, dated the 14th instant, submitting an inspection report, by chief engineer, of the works under construction in connection with the Soane Canal Project, and in reply to state that the Governor General in Council concurs with his Honor the Lieutenant-Governor in considering that the progress reported is highly satisfactory, and reflects credit on all the officers concerned.

**Abstract of the Results of the Hourly Meteorological Observations taken at the Surveyor-General's Office, Calcutta, in the month of January 1870.**

LATITUDE 22° 33' 1" North, Longitude 88° 20' 34" East. Height of the Cistern of the Standard Barometer above the Sea Level, 18.11 feet.

**MONTHLY RESULTS.**

	Inches.
Mean height of the Barometer for the month	29.960
Max. height of the Barometer occurred at 10 A.M. on the 25th	30.127
Min. height of the Barometer occurred at 4 P.M. on the 13th	29.808
Extreme range of the Barometer during the month	0.319
Mean of the daily Max. Pressures	30.041
Ditto ditto Min. ditto	29.904
Mean daily range of the Barometer during the month	0.137

	°
Mean Dry Bulb Thermometer for the month	67.9
Max. Temperature occurred at 3 P.M. on the 19th	83.2
Min. Temperature occurred at 7 A.M. on the 10th	55.4
Extreme range of the Temperature during the month	27.8
Mean of the daily Max. Temperature	77.9
Ditto ditto Min. ditto	59.8
Mean daily range of the Temperature during the month	18.1

Mean Wet Bulb Thermometer for the month	60.6
Mean Dry Bulb Thermometer above Mean Wet Bulb Thermometer	7.3
Computed Mean Dew-point for the month	54.8
Mean Dry Bulb Thermometer above computed mean Dew-point	13.1

	Inches.
Mean Elastic force of Vapour for the month	0.440

	Troy grain.
Mean Weight of Vapour for the month	4.85
Additional Weight of Vapour required for complete saturation	2.66
Mean degree of humidity for the month, complete saturation being unity	0.65

Mean Max. Solar Radiation Thermometer for the month...	116.4
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	Inches.
Rained four days,—Max. fall of rain during 24 hours	0.48
Total amount of rain during the month	0.77
Total amount of rain indicated by the gauge attached to the Anemometer during the month	0.65
Prevailing direction of the Wind	W N W, N N W & N N E.

The 26th February 1870.

GOPKENATH SEN,  
In charge of the Observatory.



**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 22nd to 28th February 1870.**

Month.	Date	Mean reduced Barometer.	THERMOMETER.		Max. Solar radiation, Thermometer.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean Degree of Humidity.	WIND.			Rain.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			h	Miles.	Inches.	
Feb.	22nd	29.988	84.5	62.8	121.4	72.8	64.1	57.1	0.60	SW & SSW	...	97.0	...	Clear.
	23rd	30.013	85.6	64.0	122.0	74.6	66.3	60.5	.83	SSW	...	90.8	...	Clear. Slightly foggy from 5 to 7 A.M.
	24th	29.987	87.5	66.0	119.5	75.7	65.2	57.8	.56	SSW & WNW	...	89.1	...	Clear. Slightly foggy from 8 to 10 P.M.
	25th	.985	87.0	66.5	125.2	76.2	65.4	57.8	.55	WSW, SSW & S	...	83.9	...	Clear & cirrocumuli.
	26th	.985	86.8	71.0	122.2	77.7	67.9	61.0	.58	SW & S by E	...	84.6	...	Stratoni & cirrocumuli.
	27th	.963	88.2	72.0	122.0	78.2	69.5	63.4	.62	W by S & SSW	...	96.3	...	Stratoni, cirri & clear.
	28th	.966	87.5	68.3	124.0	76.6	67.5	61.1	.60	SSW & WNW	...	144.4	...	Clear. Slightly foggy at 8 & 9 P.M.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	25.4
The max. temperature during the past seven days	...	88.2
The max. temperature during the corresponding period of the past year	...	91.5
The mean humidity during the past seven days	...	0.59
The mean humidity during the corresponding period of the past year	...	0.64
		Inches.
The total fall of rain from 22nd to 28th ...	{ by lower rain gauge	Nil
	{ by Anemometer gauge	Nil
Ditto ditto, average of sixteen previous years	...	0.14
Ditto between the 1st January and the 28th ultimo	...	0.77
Ditto ditto ditto, average of 16 years...	...	1.34

The 1st March 1870.

GOPEENATH SEN,  
In charge of the Observatory.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

CIRCUIT.	STATIONS.	to Rain from 7th 13th Feb. 1870.	to Rain from 14th 20th Feb. 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
		Inch.	Inch.	Inch.		
SOUTH-WESTERN.	Pooree ...	Nil	Not received	Nil	13th Feb. 1870.	
	False Point ...	Not received	ditto	ditto	6th Feb. 1870.	
	Cuttack { Telegraph Office	Nil	Nil	1.00	20th Feb. 1870.	
	{ Jail ...	ditto	ditto	1.05	ditto.	
	Sambulpore ...	ditto	Not received	3.30	13th Feb. 1870.	
WESTERN.	Balasore ...	ditto	Nil	1.18	20th Feb. 1870.	
	Midnapore ...	Nil	Nil	0.90	20th Feb. 1870.	
	Bancoorah ...	ditto	ditto	0.35	ditto.	
	Chyebassa ...	ditto	ditto	1.50	ditto.	
	Purulia ...	0.35	ditto	1.22	ditto.	
CENTRAL.	Burdwan ...	Nil	ditto	0.20	ditto.	
	Raneegunge ...	ditto	ditto	0.15	ditto.	
	Soorae ...	Not received	Not received	.....	.....	
	Deoghur ...	Nil	Nil	0.40	20th Feb. 1870.	
	Burhee ...	Not received	Not received	0.45	6th Feb. 1870.	Not received 3rd to 16th Jan.
NORTH-WESTERN.	Hazareebaugh ...	0.18	ditto	0.28	13th Feb. 1870.	
	Saugor Island ...	Nil	Nil	Nil	20th Feb. 1870.	
	Contai ...	Not received	Not received	ditto	23rd Jan. 1870.	
	Calcutta ...	Nil	Nil	0.77	20th Feb. 1870.	
	Howrah ...	ditto	ditto	1.42	ditto	
NORTHERN.	Mooghly { Jail	ditto	ditto	1.00	ditto	
	{ College ...	Not received	Not received	.....	.....	
	Jessore ...	Nil	Nil	0.20	20th Feb. 1870.	
	Berhampore ...	ditto	Not received	Nil	13th Feb. 1870.	
	Furreedpore ...	Not received	Nil	ditto	20th Feb. 1870.	Not received 7th to 13th Feb.
NORTH-EASTERN.	Burrisaul ...	Nil	Not received	ditto	13th Feb. 1870.	
	Kishnagur ...	ditto	ditto	0.18	ditto.	Not received 1st to 16th Jan.
	Ranaghat ...	ditto	ditto	Nil	ditto.	Not received 1st to 6th Feb.
	Bongong ...	ditto	ditto	0.30	ditto	Not received 1st to 9th Jan.
	Meharpore ...	ditto	ditto	Nil	ditto	Not received 1st Jan. to 6th Feb.
SOUTH-EASTERN.	Chondangah ...	ditto	ditto	ditto	ditto	Not received 1st Jan. to 6th Feb.
	Bhaugulpore ...	Nil	Nil	0.50	20th Feb. 1870.	Not received 24th to 30th Jan.
	Monghyr ...	ditto	ditto	0.16	ditto.	
	Patna ...	0.03	ditto	0.04	ditto.	
	Arrah ...	Nil	ditto	Nil	ditto.	
EASTERN.	Buxar ...	0.15	ditto	0.15	ditto.	
	Chuprah ...	Nil	ditto	Nil	ditto.	
	Chumpanun ...	ditto	ditto	ditto	ditto.	Not received 3rd to 16th Jan.
	Benares ...	ditto	Not received	ditto	13th Feb. 1870.	
	Rampore Beaulah ...	Nil	Nil	Nil	20th Feb. 1870.	
SOUTH-EASTERN.	Pabna ...	ditto	ditto	ditto	ditto	
	Maldah ...	ditto	ditto	ditto	ditto	
	Bograh ...	ditto	ditto	ditto	ditto	Not received 1st to 9th Jan.
	Dinagopore ...	1.0	ditto	1.20	ditto	
	Rungpore ...	Nil	ditto	Nil	ditto	Not received 10th to 23rd Jan.
SOUTH-EASTERN.	Jalpigoree ...	ditto	ditto	ditto	ditto	
	Buxa ...	Not received	Not received	.....	.....	
	Darjeeling ...	0.33	Nil	1.21	20th Feb. 1870.	
	Gowalparah ...	0.15	Not received	0.15	13th Feb. 1870.	
	Gowhatty ...	Nil	ditto	0.30	ditto.	
SOUTH-EASTERN.	Shillong ...	ditto	ditto	Nil	ditto.	
	Nowgong ...	Not received	ditto	.....	.....	
	Tezporo ...	0.40	ditto	1.15	13th Feb. 1870.	
	Dholebagaun ...	0.07	ditto	1.35	ditto.	
	Sebsaugor ...	0.10	ditto	1.30	ditto	
SOUTH-EASTERN.	Debrooghur ...	Not received	ditto	4.30	6th Feb. 1870.	Not received 1st to 9th Jan.
	Samoogoodting ...	Nil	ditto	0.25	13th Feb. 1870.	Not received 1st and 2nd Jan.
	Cherra Poonjee ...	ditto	ditto	.....	.....	
	Dacca ...	Nil	Not received	Nil	13th Feb. 1870.	Not received 10th to 16th Jan.
	Mymensing ...	ditto	ditto	0.05	ditto.	
SOUTH-EASTERN.	Sylhet ...	ditto	ditto	0.80	ditto	
	Cachar ...	ditto	ditto	0.90	ditto	
	Aonakhall Hylakandy ...	ditto	ditto	0.83	ditto	
	Tipperah ...	ditto	Nil	0.10	20th Feb. 1870.	
	Nonkhally ...	ditto	Not received	Nil	13th Feb. 1870.	
SOUTH-EASTERN.	Chittagong { Telegraph Office	ditto	Nil	ditto	13th Feb. 1870.	
	{ Jail ...	ditto	Not received	ditto	20th Feb. 1870.	
	Rangamatea Hill ...	ditto	ditto	ditto	13th Feb. 1870.	
	Akyab ...	Nil	Nil	Nil	20th Feb. 1870.	

CALCUTTA,  
The 26th February 1870. }HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 19th to 25th February 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Weather initials.	CLOUDS.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Feb.		Inches.		☉	☉				Inches.		
	19th	10	30.070	30.089	75.2	70.3	78	W	...	...	...	Scuds from W
	19th	16	29.935	29.953	85.5	65.6	50	W	...	...	b	
	20th	10	30.096	30.116	70.4	58.2	44	WNW	...	...	b	
	20th	16	29.933	29.951	81.2	63.4	32	WNW	...	...	b	
	21st	10	30.071	30.090	74.5	61.7	45	W by S	...	...	b	
	21st	16	29.934	29.952	81.6	62.9	29	W by S	...	...	b	
	22nd	10	30.062	30.081	74.6	67.1	63	WSW	...	...	b	
	22nd	16	29.913	29.931	84.5	65.6	33	WSW	...	...	b	
	23rd	10	30.111	30.129	76.2	68.7	68	WSW	...	...	b	
	23rd	16	29.941	29.959	84.6	68.0	37	SSW	...	...	b	
	24th	10	30.063	30.081	77.7	65.7	49	NW	...	...	b	
	24th	16	29.918	29.936	87.4	67.3	30	NW	...	...	b	
	25th	10	30.068	30.086	78.7	67.2	50	WNW	...	...	...	CK
	25th	16	29.914	29.932	86.2	67.2	33	SSW	...	...	...	CK
SAGOR ISLAND.	19th	10	30.072	30.078	79	74	77	W	3	...	b	C
	19th	16	29.942	29.948	82	75	70	SW	1	...	b m	
	20th	10	30.105	30.111	73	61	46	NNE	2	...	m	
	20th	16	29.932	29.938	82	64	32	NNE	1	...	m	
	21st	10	30.090	30.096	78	66	49	E	1	...	m	
	21st	16	29.959	29.965	81	68	48	WSW	1	...	m	
	22nd	10	30.076	30.081	78	73	77	W	1	...	b m	
	22nd	16	29.948	29.954	81	72	62	SW	2	...	m	
	23rd	10	30.119	30.125	78	74	81	NW	1	...	m	C
	23rd	16	29.964	29.970	83	73	60	W	1	...	m	
	24th	10	30.076	30.081	76	68	64	N	1	...	m	
	24th	16	29.956	29.962	83	72	56	WSW	1	...	b	C
	25th	10	30.080	30.086	78	67	53	NE	1	...	m	C
	25th	16	29.937	29.943	81	72	62	S	1	...	b m	
CHITTAGONG.	19th	10	29.972	30.083	82	72	59	WSW	4.5*	...	b m	
	19th	16	29.863	29.974	82	70	52	W	10.2*	...	b	
	20th	10	29.937	30.049	79	70	61	NNW	5.1*	...	b m	
	20th	16	29.813	29.924	83	72	56	WSW	9.4*	...	b	
	21st	10	29.934	30.046	78	66	49	NNW	4.3*	...	b m	
	21st	16	29.828	29.938	81	70	55	WSW	9.6*	...	b	
	22nd	10	29.934	30.046	80	67	47	NNW	4.3*	...	b	
	22nd	16	29.836	29.948	81	69	51	W	7.3*	...	b m	
	23rd	10	29.957	30.070	77	68	60	N	4.3*	...	b m	
	23rd	16	29.840	29.951	84	72	53	W	7.0*	...	b m	
	24th	10	29.944	30.056	79	70	61	NNW	3.8*	...	b	C
	24th	16	29.815	29.925	89	58	29	W	7.5*	...	b	CK
	25th	10	29.925	30.065	74	67	67	NNE	3.9*	...	b	KS
	25th	16	29.841	29.953	81	69	51	NNE	4.0*	...	m	KS
MADRAS.	18th	10	30.005	30.035	83	73	60	E	5*	...	b	
	18th	16	29.895	29.925	83	71	52	E	7*	...	b	
	19th	10	30.068	30.098	82	70	52	E by N	8*	...	b c	
	19th	16	29.954	29.984	82	69	43	NE	9*	...	b c	
	20th	10	30.050	30.080	81	72	62	N	6*	...	b	
	20th	16	29.931	29.961	83	71	52	NNE	10*	...	b m	
	21st	10	30.053	30.083	81	71	59	NNW	4*	...	b m	
	21st	16	29.951	29.981	83	71	52	E NE	9*	...	b m	
	22nd	10	30.051	30.081	83	71	53	NE	4*	...	b	
	22nd	16	29.918	29.948	82	71	55	NE	11*	...	b	
	23rd	10	30.036	30.066	83	68	42	NNE	9*	...	b c	
	23rd	16	29.900	29.930	82	70	52	NNE	15*	...	b	
	24th	10	29.986	30.016	80	70	58	N by W	14*	...	b c	
	24th	16	29.855	29.885	83	72	56	N by E	19*	...	b c	
	25th	10	29.937	29.967	81	72	62	NNW	16*	...	b c	
	25th	16	29.811	29.841	85	74	57	N	18*	...	m	
CUTTACK.	19th	10	30.034	30.117	76	70	72	SW	6.3*	...	b m	
	19th	16	29.897	29.979	85	65	29	W	7.1*	...	b m	
	20th	10	30.051	30.134	78	59	25	NE	9.1*	...	b m	
	20th	16	29.878	29.961	82	63	29	NW	12.5*	...	b m	
	21st	10	30.039	30.123	75	62	44	W	8.1*	...	b m	
	21st	16	29.905	29.988	82	72	59	NW	7.3*	...	b m	
	22nd	10	30.019	30.103	75	60	36	NW	6.9*	...	b m	
	22nd	16	29.878	29.960	85	63	23	N by W	7.0*	...	b m	
	23rd	10	30.057	30.141	78	68	68	W	5.9*	...	b m	
	23rd	16	29.903	29.985	86	65	27	NE	10.6*	...	b m	
	24th	10	30.029	30.113	75	68	68	N	8.0*	...	b m	
	24th	16	29.888	29.970	84	64	28	E	8.5*	...	b m	
	25th	10	30.019	30.103	75	66	59	W	6.3*	...	m	
	25th	16	29.853	29.935	85	64	26	E	16.8*	...	b m	C
AKYAB.	19th	10	30.045	30.061	71	65	70	NNE	1	...	b	
	19th	16	29.938	29.953	81	68	48	NNW	3	...	b q	
	20th	10	30.029	30.045	73	67	71	NE	1	...	b	
	20th	16	29.887	29.902	85	77	68	NW	1	...	b	
	21st	10	30.037	30.053	74	60	39	NE	1	...	b	
	21st	16	29.915	29.930	82	66	38	NNW	1	...	b m	
	22nd	10	30.075	30.091	71	64	66	NE	1	...	b	
	22nd	16	29.938	29.953	81	67	44	NW	1	...	b m	C
	23rd	10	30.039	30.055	73	65	62	NE	1	...	b	
	23rd	16	29.909	29.924	77	69	64	NW	1	...	b	CS
	24th	10	30.074	30.090	75	67	63	NE	1	...	b	
	24th	16	29.891	29.906	80	74	74	NW	1	...	g	CK
	25th	10	30.054	30.070	75	68	68	Calm	...	...	d n g	
	25th	16	29.918	29.933	81	70	55	NE	1	...	b g n	KS

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 26th February 1870.HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 13th February 1870 on 1,131 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£. s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£. s. d.	
Total Traffic for the week ...	1,15,739	2,04,278 10 4	18,725 10 11	6,68,517 10	*3,84,844 1 0	35,277 7 5	54,002 18 4	
Or per mile of Railway ...	.....	180 9 10	16 11 2	.....	340 4 4	31 3 10	47 15 0	
For previous 6 weeks of half-year...	6,63,027	13,14,666 4 1	1,20,511 1 6	36,84,518 20	22,21,020 6 9	2,03,593 10 9	3,24,104 12 3	
Total for 6 weeks ...	7,78,766	15,18,944 14 5	1,39,236 12 5	43,53,335 30	26,05,864 7 9	2,38,870 18 2	3,78,107 10 7	
COMPARISON.								
Total for corresponding week of previous year ...	97,725½	1,59,231 15 2	14,596 5 3	7,53,096 30	4,69,360 2 4	42,933 0 3	57,529 5 6	
Per mile of Railway corresponding week of previous year ...	.....	140 12 9	12 18 1	.....	414 1 9	37 19 3	50 17 4	
Total to corresponding date of previous year ...	6,38,433	10,93,536 12 6	1,00,240 17 5	45,74,785 0	25,57,257 6 6	2,34,415 5 3	3,34,656 2 8	

\* Rs. 6,627-6-9 added on account of freight of locomotive coal carried on Jubbulpore line.

## EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 13th February 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	6,145½	13,637 14 1	1,250 2 9	56,572 30	14,079 8 0	1,290 12 5	2,540 15 2
Or per mile of Railway ...	.....	61 2 6	5 12 1	.....	63 2 2	5 15 9	11 7 10
For previous 6 weeks of half-year...	36,187	1,16,936 4 10	10,719 8 3	2,24,060 10	58,090 15 9	5,325 0 1	16,044 3 4
Total for 6 weeks ...	42,332½	1,30,574 2 11	11,969 6 0	2,80,935 0	72,170 7 9	6,615 12 6	18,584 18 6
COMPARISON.							
Total for corresponding week of previous year ...	3,392½	15,727 14 9	1,441 14 6	58,582 10	15,429 11 5	1,414 7 10	2,856 2 4
Per mile of Railway corresponding week of previous year ...	.....	70 8 5	6 9 4	.....	69 3 1	6 6 10	12 16 2
Total to corresponding date of previous year ...	25,195½	84,665 0 0	77,760 19 8	3,53,236 20	99,609 15 4	9,139 3 2	16,900 2 5

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 12th February 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	25,757	14,742 7 0	1,351 7 10	1,23,161 0	18,260 5 3	1,673 17 3	3,025 5 1
Or per mile of Railway ...	237	130 2 10	11 18 8	1,087 16	161 3 10	14 15 7	26 14 3
For previous 6 weeks of half-year...	1,46,896½	1,02,812 0 6	9,424 8 8	4,90,700 0	73,943 13 6	5,750 13 9	16,175 2 2
Total for 7 weeks ...	1,72,653½	1,17,554 7 6	10,775 16 6	6,13,861 0	91,904 2 8	8,424 11 0	19,200 7 6
COMPARISON.							
Total for corresponding week of previous year ...	23,556	17,022 13 11½	1,560 8 7	87,965 6½	15,713 6 11	1,440 8 0	3,000 16 7
Per mile of Railway corresponding week of previous year ...	208	150 5 0	13 15 7	776 29	138 12 0	12 14 4	26 9 11
Total to corresponding date of previous year ...	1,59,718	1,05,627 0 10½	9,682 9 7	6,12,469 14½	1,13,000 9 9½	10,358 7 10	20,040 17 5

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 12th February 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. S.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	5,298	989 8 3	90 14 1	20,845 10	726 14 3	66 12 8	157 6 9
Or per mile of Railway ...	189	35 5 5	3 4 10	744 0	25 15 4	2 7 7	5 12 5
For previous 6 weeks of half-year...	29,839	5,278 10 6	483 17 6	65,339 6	2,692 10 9	191 16 8	675 14 2
Total for 7 weeks ...	35,137	6,268 2 9	574 11 7	86,184 16	2,819 9 0	258 9 4	833 0 11
COMPARISON.							
Total for corresponding week of previous year ...	4,766	1,141 1 5½	104 12 0	5,809 15	240 6 9	22 0 9	136 12 9
Per mile of Railway corresponding week of previous year ...	170	40 12 1	3 14 8	207 0	8 9 5	0 15 9	4 10 5
Total to corresponding date of previous year ...	34,959½	7,191 15 6½	659 7 3	72,379 1	3,424 8 0	319 18 3	973 5 6





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 9, 1870.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

### Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

The council met in the council chamber on Saturday, the 26th February 1870.

#### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *Presiding.*

T. H. COWIE, Esq., *Advocate-General,*  
THE HON'BLE ASHLEY EDEN,  
A. MONEY, Esq., C.B.,  
A. R. THOMPSON, Esq.,  
V. H. SCHALCH, Esq.,

H. H. SUTHERLAND, Esq.,  
RAJAH SATYANUND GHOSAL,  
BABOO CHUNDER MOHUN CHATTERJEE,  
AND  
BABOO JOTEENDRO MOHUN TAGORE.

#### VILLAGE CHOWKEEDARS.

MR. RIVERS THOMPSON moved that the Bill to provide for the appointment, dismissal, and maintenance of village chowkeedars be read in council. He said that in endeavoring, on the last occasion when he addressed the council, to explain the necessity for legislation upon this subject, he engaged after leave was given for the introduction of the Bill to explain to the council the principles upon which legislative action should proceed. For a right and perfect comprehension of this part of the subject it would, he thought, be of advantage to state in the outset the attempts which have been made to pass a law for the reform of the village police in Bengal, and he would crave the indulgence of the council for a brief recapitulation of the proposals which have been made at different times with a view to legislation.

He stated on the last occasion that a Bill for the better regulation and management of the rural police in Bengal had been introduced into the legislative council in the year 1859. The Bill was introduced by Mr. Henry Ricketts, the member who represented the interests of the Bengal provinces in the council as then constituted, and whose knowledge of the country made him eminently fit to have charge of such a measure. In bringing forward his Bill he showed very clearly what subsequent investigation and experience had only more fully confirmed, that the whole system was one in much confusion and irregularity, which embraced almost every point connected with the appointment, maintenance, or organization of the police force. Thus in some places chowkeedars were appointed by the zemindar, some by the zemindar's gomastah, some by the headmen of the village, some by the villagers themselves. Again, in some places the remuneration of the chowkeedars was by land allotments, in others by salaries in cash, by allowances of grain, by presents of cloth; and while in a few cases the remuneration might be sufficient, in the greater part of the country the rates of pay prevailing were entirely inadequate for the support of the village policeman.

The enquiries at that time and in previous years had brought to light the fact that in all the Bengal districts there were in 1859 about 1,61,777 chowkeedars in 1,59,309 villages, and that the aggregate sum paid in different forms to this body of police was estimated at no less a sum than 59½ lakhs of rupees. Mr. Ricketts' Bill proceeded on the principle that the nomination of

the village watchman should rest with those who had hitherto nominated them; that there should be no change in the nature of the remuneration which the chowkeedar had been in the habit of receiving, though endeavors should be made to arrive as far as possible at a system of money payments by salary; that punchayets should be formed wherever practicable for the assessment and collection of the cess necessary for the payment of the village watchmen; and for the appointment and removal of the chowkeedar, subject to the magistrate's control. The Bill also provided that it should be competent to the magistrate to dispense in places with the services of the chowkeedar, and to utilize the cess of the village to which such chowkeedar belonged to increase the pay of chowkeedars in other places. It seemed to be the opinion of the hon'ble member that a great deal of the large sum that was collected throughout the country, was very uselessly thrown away to no purpose, and that with two-thirds of the sum thus collected very much more practical good might be effected, if power was given under his Bill to appropriate the monies for the furtherance of the objects of an efficient rural police in such places as might be deemed proper, irrespective of the places and towns from which the cess was realized.

It would be unnecessary to discuss now the merits or demerits of such a principle of action, beyond stating that it forms no part of the present measure. On the contrary, the opposite principle has been distinctly recognised, that whereas it is just and expedient that the people at large should pay for their own protection, the fund realized should be directly limited in its application to the place where it is raised. However, as regards the Bill of 1859, he (Mr. Thompson) might state that beyond the enunciation of the principles on which he intended to proceed, Mr. Ricketts went no further. The Bill after being read in council appears to have been dropped, under circumstances which had been given in the statement of objects and reasons attached to the present Bill.

He (Mr. Thompson) had not been able to trace that anything further was done in the matter till the year 1863, when under the orders of His Honor's predecessor a report was called for on the subject of the re-organization of the village police in Bengal from Mr. C. P. Hobhouse, then civil and sessions judge of the Midnapore District, now Sir Charles Hobhouse, one of the learned puisne judges of the high court of judicature of Bengal. In October of that year, in obedience to the above orders, Mr. Hobhouse submitted a careful report on the subject with the draft of a Bill for the reform of the village police system. His opinion, fully elaborated in the report upon which Mr. Hobhouse prepared his measure, was that by both law and usage a clear obligation rested upon zemindars and village communities to maintain in their estates and villages a village police: that it should be declared by law that in supersession of all previous practice the payment of such village police in future should be in money: that the funds for the payment were to be supplied by landed proprietors or heads of village communities: and that all further management and employment of this force,—its appointment, organization, dismissal, and payment—were to be entirely independent of the zemindars or village communities, and should be vested solely in the district superintendent of police, subject to the general control of the district magistrate.

The publication of this report and of the draft Bill founded upon it elicited from many quarters opinions very adverse to its main features. Among others he might mention that the hon'ble member opposite as commissioner of the Bhaugulpore division, and the hon'ble member to the right as secretary to the British Indian Association, were prominent among those who resisted its adoption, on the ground that it would excite great discontent among the zemindars and arouse violent opposition as a change in the direction of farther centralization, which, while imposing upon the land and upon village communities the burden of providing for the means of paying the village police force, deprived each of his interest in the village police, which from time immemorial had been recognised and acted upon.

Considering the wide diversity of opinion which prevailed generally as regards both the principles and details of Sir Charles Hobhouse's Bill, and the necessity which further consideration established of more detailed enquiry as to the respective rights of the Government, the landholders, and occupants of villages in connection with police chakeran lands, the Government was induced in 1866 to appoint a special officer to investigate the subject *de novo*, and Mr. D. J. McNeile was deputed to undertake the duty. His enquiries extended to almost every district under the jurisdiction of the Lieutenant-Governor, and the results of his personal investigation and research are embodied in the volume which he (Mr. Thompson) had now before him. With the historical portion of Mr. McNeile's report the council had no concern at present. He (Mr. Thompson) would briefly state the proposition which Mr. McNeile submitted, based on the opinion of the utter inefficiency of the present system of the rural police either for the detection or prevention of crime, and on the impossibility of removing the inherent radical defects of the system by any superficial treatment.

His proposal was the entire abolition of the present village watch as an establishment, and the appointment in its place of a body of policemen to be selected and appointed by the executive authorities, and to have jurisdiction within circles within each district of a magistrate; the entire force being in direct subordination to the regular police. As described by Mr. McNeile himself, the security and the protection of the country were to be attained by garrisoning the country with an organized subordinate constabulary, all its members being residents of the circles of villages within which they were employed.

Of course the proposal met with strong opposition. It was objected, as Mr. McNeile himself seems to have anticipated, that his measure virtually provided "for the enrolment of an army of plundering ruffians to be supported in all their extortions and cruelties by the authority of Government." It was objected, and with very strong reason, that the change which he contemplated was a revolution and not a reform; that the supersession of the institution of a village police, by what to all intents and purposes was an inferior grade of constabulary, deprived the executive of the services of a class who combined local knowledge with a kind of influence among the village communities, and that the absence of such a link between the regular police and the people would always work unsatisfactorily; that it was contrary to the wishes of the natives of the country and subversive of the principles on which the village watch had always been recognized as a municipal institution. It was under such circumstances of a general hostility to the principles which had been previously submitted for the reorganization of the rural police, that during last year a committee was appointed to reconsider the whole question with instructions to frame a draft Bill for the reform of the village police on the principle of affirming the municipal character of the rural police and providing the simplest possible means for insuring the regular and prompt payment of their wages.

He had the honor to be associated on that committee with two able members of the civil service and an honorable member of council now absent, and the present Bill was the result of their investigations on the subject. It was proposed under its provisions that the village police of the country should be brought under one uniform system of a force remunerated by money payment, and that this force should be distinct from the regular thanadari police.

The Bill proceeds upon the recognition of the fact that the village chowkeedar is purely a village servant, employed for the protection of the lives and property of the villagers, and looking to the village community for the regular payment of the remuneration to which he is entitled.

It was proposed that a punchayet should be appointed in every village where it is practicable, and that such punchayet shall, under the general control of the magistrate of the district, appoint and maintain the village watch, supervise its work and secure its regular payment, and that each member of the punchayet shall be responsible for the due report of all crime to the police.

The duties of chowkeedars are definitely prescribed and are chiefly of a character which connects them as a subsidiary force to the regular police in supplying, what is chiefly wanted, prompt information of all criminal attempts or occurrences which their local knowledge and position will enable them to give.

Thus far as regards those chowkeedars or village watchmen who are in receipt of a monthly salary. But as he (Mr. Thompson) had occasion before to explain, there are many districts in Bengal, particularly in Western Bengal, where the system of payment by assignments of land prevails. In such places it will be clear that the enforcement of money-payments in lieu of allotments of land will effect a complete revolution of the existing system. Personally he had wished that this part of the measure had been entirely omitted. On a former occasion he adverted to this view, and suggested that as the question of chowkeedars paid by allotments of land was a larger and very much more complicated question, it would be better, for the present, simply to provide for the re-organization of the village policeman who is the recipient of a cash salary, and subsequently to consider the more difficult questions connected with chakeran lands. At the same time he was free to admit that if by one comprehensive measure the council could settle the difficulties connected with both parts of the village watch system, a large measure of reform would be secured.

He would take the opportunity of pointing out some of the difficulties which would be met in dealing with the subject of chakeran lands, and which have not been entirely solved by the provisions of the Bill before the council. Before the punchayet system can be introduced in those places where the police is paid by allotments of land, we have first to undo existing arrangements. We have practically to say to the zemindar:—"The chowkeedar in this village is paid by an assignment of land appertaining to your estate: the produce of this land was placed to the credit of the zemindar when the rental on your estate was fixed in perpetuity. The Bill proposes now to take the land away from the chowkeedar, to resume it, and make it over to the zemindar, and to assign to him two-thirds of the rental for the surrender of any rights which he may have enjoyed in the services of that chowkeedar, while the remaining one-third will be taken to form or help to form a watch fund as a contribution towards the payment of the chowkeedar." In carrying out this proposal difficulties will arise, for the chowkeedar may have been for a very long time the occupant of the land proposed to be taken away from him, and he might object to a course which by a very harsh and arbitrary measure deprives him of his rights, takes away the land to the possession of which he has for a very long time been entitled, and restores him to the position of the simple recipient of a monthly police salary.

Again, the village communities may object that whereas the practice has always been to remunerate the chowkeedar by an assignment of land, it will be unjust to force them to pay a rate. It will also be seen that in some places a commission is proposed to ascertain and determine where chakeran lands have been alienated from their proper uses.



All these difficulties suggest themselves when the complicated question of disposing of the chakeran lands assigned to village chowkeedars for their services, comes up for consideration. But the Bill has been framed in accordance with the views of the committee, though in submitting it as the committee wished, he (Mr. Thompson) reserved to himself the right of objecting to that portion of the Bill which dealt with the question of chakeran lands. The select committee to whom the Bill will be referred can determine whether these larger provisions should be considered in connection with the present measure.

One word as to the objections raised to the system of appointing punchayets for the assessment and collection of the rate. The proposition is essentially of a novel nature and must be tentatively enforced, and therefore power is reserved to the Lieutenant-Governor to extend the system to such places as he may think fit. Objections have been taken in many places to the establishment of such an agency, and one commissioner, who combined experience with great intelligence on all such questions, said that he hoped these provisions would not be enforced in his division, as it would take ten years to establish the system of punchayets in the districts under him. He (Mr. Thompson) would simply reply in answer to that, that while he doubted altogether the estimate formed as to the system requiring ten years for its introduction in any division, still even if it required ten years, very much greater advantage would be gained by it than by the present system under which no means at all existed of communication between the magistrate and village communities. All that directly tended to facilitate means of communication between the magistrate and the people would be of assistance to executive administration. Demands are constantly made on the Government with which it is impossible to comply in the absence of any kind of local agency, and the object partly of this measure is to provide an agency, by means of the head and principal men of the village, who can assist the magistrate by all kinds of local information, and thus indirectly secure the better administration of the country in improving the position of the village chowkeedar.

With these remarks MR. THOMPSON moved that the Bill be read in council.

THE ADVOCATE-GENERAL said that perhaps he might be allowed to say one word by the suspension of the rule in accordance with which the council does not discuss the principle of a Bill on the motion to obtain leave for its introduction. With reference to what had fallen from the hon'ble member with regard to the question as to chakeran lands being left for the consideration of the select committee, he (the Advocate-General) wished to reserve to himself the power of bringing forward that question on the motion that the Bill be read in council. It was a question of general principle that ought to some extent to be discussed by the council before the Bill was referred to a select committee.

The motion was agreed to.

MR. RIVERS THOMPSON moved that the Bill be referred to a select committee, consisting of Mr. Schalh, Baboo Isser Chunder Ghosal, Mr. Robinson, Baboo Joteendro Mohun Tagore, and the mover.

THE ADVOCATE-GENERAL said he was under the impression that the motion made to-day was for leave to introduce, and not that the Bill should be read in council. He might, however, now say that from such information as he had been able to gather from the hon'ble mover of the Bill, and also from the very lucid statement just made by him, that it should be an instruction to the select committee to consider the propriety or otherwise of the present measure dealing with the question of assigned lands. Considering that it really did involve a question of general principle, he (the Advocate-General) would prefer that it should be a special instruction from the council to the select committee to consider whether or not the measure should deal with the alteration of the system as regards the large number of cases in which under the present system the services of the chowkeedar had been and are remunerated by assignments of land. He thought that the select committee should deal with the details of the Bill with some general instructions of that kind.

THE PRESIDENT said, with reference to the additional question which the learned Advocate-General wished to have put to the council, that there was no objection to its being put if the Advocate-General desired it; but the question seemed to him (the President) to be hardly necessary, and he was not sure that it was quite regular: the mention of the point which had been raised by the hon'ble mover of the Bill and the learned Advocate-General was of itself quite sufficient to ensure the attention of the select committee being given to the subject.

THE ADVOCATE-GENERAL having acquiesced in the view stated by the President—

The motion was agreed to.

#### COURT OF WARDS.

MR. MONEY moved that the Report of the Select Committee on the Bill to consolidate and amend the law relating to the court of wards within the provinces under the control of the Lieutenant-Governor of Bengal, be further considered in order to the settlement of the clauses of the Bill.

In the postponed Sections 78 and 79 the blanks were filled up with the words "1st day of June 1870," as the date for the commencement of the operation of the Act.

Section 80 was agreed to.

Schedule A., providing the form of obligation to be executed by a manager, having been read—

THE ADVOCATE-GENERAL said that he had mentioned on the last occasion when this Bill was under consideration that he would propose some amendments in the schedules. The forms appeared to be taken word for word from those contained in the Regulation of 1793, but it seemed to him that they were susceptible of a good deal of amendment. As it stood, there would be some difficulty in determining the precise character of the instrument with reference to the value of the stamp to be impressed. The form in which he proposed to frame the schedules would make it an agreement for which an uniform stamp of eight annas would be required: as it stood now it was open to the objection that the agreement was entered into without any knowledge of the exact amount of the manager's liability. It was also proposed that instead of referring to the regulations passed by the Lieutenant-Governor, the engagement should refer to the provisions contained in Part VII of the Act. Practically there would be no difficulty in the way of the manager knowing what his duties are, as on appointment he would receive a copy of the sections of the Act which related to his duties. There was another alteration which it would be desirable to make if only to make the form correspond with the system universally adopted as regards all engagements entered into either with the local Government or the Supreme Government in reference to the consequences of a breach of trust. As the form stood the result would be that a person committing a breach or abuse of trust would be liable to make good treble the amount of embezzlement or injury proved against him. It would therefore be necessary in every case to prove what was the particular amount of injury suffered, which it might not always be possible to do; and secondly, there seemed no reason why managers and guardians should be put in a different position, as regards the payment of treble the amount of the injury suffered, from any other person holding a fiduciary position as regards the Government. He (the Advocate-General) would therefore propose, instead, a clause for the payment of liquidated damages. Schedule B. regarding guardians was, *mutatis mutandis*, the same as Schedule A.

He moved that the following schedules be substituted for Schedules A. and B. as they stood in the Bill:—

“SCHEDULE A.—(Referred to in Section XXXVI.)

FORM OF AGREEMENT TO BE EXECUTED BY A MANAGER.

I, A. B. having voluntarily taken on myself the management of the estate of C., disqualified proprietor of D., do hereby engage with the collector of E., that I will manage the said estate diligently and faithfully for the said proprietor, and will use every means in my power to improve the same for his [her] benefit, and will act in every respect for his [her] interest in like manner as if the estate were my own. I also engage with the said collector to observe in all respects the provisions regarding managers contained in Part VII of Act of 1870 of the Council of the Lieutenant-Governor of Bengal, and that I will derive no personal advantage from the management beyond the remuneration granted to me as manager. In the event of any breach of trust, neglect, or omission as manager being proved against me, I will pay to the said collector Rs. as liquidated damages.

SCHEDULE B.—(Referred to in Section LVI.)

FORM OF AGREEMENT TO BE EXECUTED BY A GUARDIAN.

I, A. B. having voluntarily taken upon myself the guardianship of C., disqualified proprietor of D., do hereby agree with the collector of E., that I will execute the trust committed to me diligently and faithfully, and according to the provisions regarding guardians contained in Part VII of Act of 1870 of the Council of the Lieutenant-Governor of Bengal, and that I will derive no advantage directly or indirectly from the ward's allowance beyond the remuneration granted me as guardian. In the event of any breach of trust, neglect, or omission being proved against me, I will pay to the said collector Rs. as liquidated damages.”

The motions were severally put and agreed to.

Amendments rendered necessary by the introduction of the new schedules were then made in Sections 33 and 53.

On the motion of BABOO JOTEENDRO MOHUN TAGORE a further amendment was made in Section 53 by the addition of a proviso to the effect that no security shall be required from a testamentary guardian.

On the motion of THE ADVOCATE-GENERAL Section 55 was again amended with the object of providing clearly that no guardian shall be appointed nor continued for a female ward if she has an adult husband.

Verbal amendments were made in Sections 63 and 64.

The postponed Section 1 and the preamble and title were agreed to.

The council was adjourned to Saturday, the 5th March.

By order of the president the council was further adjourned to Saturday, the 12th idem.

### Annual Report of Joint-Stock Companies for 1869.

From H. BEVERLEY, Esq., Registrar-General, Lower Provinces, to the Secretary to the Government of Bengal, General Department,—(No. 337, dated Fort William, the 22nd January 1870.)

REFERRING to Government order No. 352, dated the 15th January 1866, I have the honor to submit herewith the annual report of the registrar of joint-stock companies for 1869, with a comparative statement which I have had drawn up showing the history of joint-stock



enterprise in this presidency since 1857. I would suggest that the statements should, as usual, be published in the supplement to the *Calcutta Gazette*.

2. Although the amount of capital invested in joint-stock companies during the year is greater than it has been in any year since 1865, it will nevertheless be observed that only three new companies have been brought on the register against eight which have been struck off. The number of companies wound up, however, is less than it has been for several years. It would seem that nearly six millions sterling are invested in joint-stock companies which are borne on the Calcutta register.

*Statement of Joint-Stock Companies registered from the year 1857 to the year 1868.*

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1857.

Names of Companies.	Date on which the Company was registered.	Amount of nominal capital in Rs.
		Rs.
1. Auction Company, Limited (Calcutta) ...	27th July 1857 ...	10,00,000
2. Copper Company, Limited (East India) ...	9th September 1857 ...	6,00,000
Total ...	.....	16,00,000

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1858.

		Rs.
1. Bengal Coal Company, Limited ...	24th July 1858 ...	16,00,000
2. Bengal United Service Medical Hall Association, Limited ...	8th December 1858 ...	10,000
3. Calcutta Printing and Publishing Company, Limited ...	4th February " ...	50,000
4. Calcutta Steam Tug Association, Limited ...	7th September " ...	9,00,000
5. Hope Town Tea Association, Limited ...	6th January " ...	1,25,000
6. Hydraulic Steam Press Company, Limited ...	21st April " ...	1,00,000
7. India General Steam Navigation Company, Limited ...	25th September " ...	20,00,000
8. Ice Company, Limited (Rangoon) ...	ditto " ...	20,000
9. Ishera Yarn Mills Company, Limited ...	22nd December " ...	4,00,000
Total ...	.....	52,05,000

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1859.

		Rs.
1. Allahabad Printing Association, Limited ...	24th October 1859 ...	25,000
2. Burdwan Stone Company, Limited ...	10th January " ...	3,00,000
3. Bengal Printing Company, Limited ...	30th September " ...	1,00,000
4. Bengal Tea Company, Limited ...	23rd November " ...	2,50,000
5. Dootoria Estate and Tea Company, Limited ...	28th January " ...	2,50,000
6. Darjeeling and Kurseong Tea and Coffee Company, Limited ...	28th September " ...	90,000
7. Dehra Doon and North-West of India Tea Company, Limited ...	29th October " ...	50,00,000
8. Eastern Steam Tug Association, Limited ...	1st January " ...	2,60,000
9. Ganges Steam Navigation Company, Limited ...	23rd July " ...	5,71,000
10. Ganges Canal Navigation Company, Limited ...	24th October " ...	1,00,000
11. Lime and Coal Company, Limited (Pathurghatta) ...	5th May " ...	4,00,000
12. New Times Company, Limited ...	7th February " ...	2,50,000
13. Screw Steam and Tug Company, Limited (Under-Writers) ...	1st " " ...	4,00,000
14. Tukvar Tea Company, Limited ...	25th August " ...	1,00,000
Total ...	.....	80,96,500

STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1860.

		Rs.
1. Balasam Tea Company, Limited ...	21st February 1860 ...	1,00,000
2. Bangalore Bank, Limited ...	17th September " ...	5,00,000
3. Calcutta Docking Company, Limited ...	4th " " ...	5,67,000
4. Delhi Bank, Limited ...	10th October " ...	20,00,000
5. Funeral Furnishing Company, Limited ...	5th April " ...	10,000
6. Hope Town Tea Company, Limited (West) ...	15th June " ...	60,000
7. Kurseong and Darjeeling Tea and Coffee Company, Limited ...	29th September " ...	2,50,000
8. Mutlah Agricultural Company, Limited ...	28th " " ...	2,00,000
9. People's Bank of India, Limited ...	21st May " ...	5,00,000
10. Rangoon Iron Bazar Company, Limited ...	10th December " ...	1,00,000
11. Silchar Tea Company, Limited ...	30th April " ...	1,25,000
12. Simlah Bank Corporation, Limited ...	2nd May " ...	6,15,000
Total ...	.....	50,27,000



## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1861.

Names of Companies.	Date on which the Company was registered.	Amount of nominal capital in Rs.
		Rs.
1. Agricultural and Horticultural Society	9th September 1861	No capital.
2. Bengal River Steam Company, Limited	22nd March	10,00,000
3. Beerbhoom Coal Company, Limited	1st June	10,00,000
4. Bagbazar Screw Company, Limited	15th July	2,00,000
5. Bengal Hurkaru Press, Limited	18th September	80,000
6. Cachar Company, Limited	9th January	2,50,000
7. Calcutta Free School	30th May	No capital.
8. Central Assam Tea Company, Limited	21st December	5,00,000
9. East India Tea Company, Limited	7th August	10,00,000
10. Hazareebaugh Tea Company, Limited	17th May	1,50,000
11. Kousanie Tea Company, Limited	4th January	1,60,000
12. Kanchanpore Tea Company, Limited	13th November	2,50,000
13. Murree Brewery Company, Limited	19th February	5,00,000
14. Parental Academic Institution and Doveton College, Limited	4th May	No capital.
15. Soorisore Tea Company, Limited	29th January	2,50,000
16. Sylhet Tea Company, Limited	29th August	6,00,000
17. Sylhet and Cachar Tea Company, Limited	18th December	1,00,000
18. Uncovenanted Service Bank, Limited	31st January	1,05,000
Total		61,45,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1862.

		Rs.
1. Agra Savings Bank, Limited	8th March 1862	1,40,000
2. Bengal Military Orphan Society	4th January	No capital.
3. Bengal Salt Company, Limited	29th July	1,00,000
4. Great Eastern Hotel Company, Limited	28th February	15,00,000
5. Gouripore Company, Limited	11th December	6,00,000
6. Iron Works Company, Limited, (North of India, Kumaon)	17th May	4,65,000
7. Kangra Valley Tea Company, Limited	21st March	96,000
8. Labac Tea Company, Limited	11th February	1,00,000
9. North-West Indigo Association, Limited	3rd April	8,00,000
10. New Silchar Tea Company, Limited		4,00,000
11. Punjab Bank, Limited	31st March	5,00,000
12. Ramgurrh Company, Limited	13th May	10,00,000
13. Soom Tea Company, Limited	20th November	2,00,000
Total		59,01,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1863.

		Rs.
1. Alliance Tea Company, Limited	2nd July 1863	1,00,000
2. Allan and Hayes, Limited	7th "	9,00,000
3. Bank of Upper India, Limited	27th January	1,00,000
4. Bengal Oil Company, Limited	5th May	1,50,000
5. Bishnauth Tea Company, Limited	6th "	5,00,000
6. Beak and Company, Limited	13th "	1,50,000
7. British Burmah Plantation Company, Limited	9th October	3,00,000
8. Bengal Steam Tug Company, Limited	9th December	10,00,000
9. Cachar and Assam Tea Company, Limited	22nd January	6,00,000
10. Central Cachar Tea Company, Limited	2nd May	8,00,000
11. Cachar Tea Company, Limited	5th "	12,00,000
12. Commercial Transport Association, Limited	4th August	2,00,000
13. Calcutta Landing and Shipping Company, Limited	7th "	3,00,000
14. Chatlawhar Tea Company, Limited	15th September	4,00,000
15. Calcutta City Banking Corporation, Limited	29th "	50,00,000
16. Calcutta Ship Company, Limited	10th October	5,00,000
17. Calcutta Sewing Company, Limited	27th November	2,20,000
18. Calcutta Native Hospital	2nd December	No capital.
19. Dehra Doon Tea Company, Limited	31st March	20,00,000
20. Darjeeling Transit and Hotel Company, Limited	21st September	1,00,000
21. Eastman and Company, Limited	30th April	3,00,000
22. Eastern Cachar Tea Company, Limited	15th July	3,50,000
23. Equitable Coal Company, Limited	1st August	8,00,000
24. Eastern Bengal Indigo Company, Limited	28th "	4,00,000
25. Elgin Tea Company, Limited	17th November	1,00,000
26. Golaghat Assam Tea Company, Limited	30th April	6,00,000
27. Great Northern Assam Tea Company, Limited	27th August	10,00,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1863.

Names of Companies.	Date on which the Company was registered.	Amount of nominal capital in Rs.	
		£	Rs.
28. Goosery Cotton Mills Company, Limited	9th October 1863	...	8,00,000
29. Hope Town Equitable Tea Company, Limited	9th March	...	60,000
30. Hunter and Company, Limited	1st May	...	4,00,000
31. Hooghly Steam Tug Company, Limited	28th April	...	3,20,000
32. Howrah Docking Company, Limited	15th September	...	8,00,000
33. Hylakandy Tea Company, Limited	23rd November	...	2,00,000
34. Indian New Castle Coal Company, Limited	23rd "	...	3,60,000
35. Jellalpoore Cachar Tea Company, Limited	24th September	...	1,00,000
36. Kurseong and Darjeeling Tea Company, Limited	12th December	...	8,00,000
37. Lebong and Minchu Tea Company, Limited	18th March	...	1,50,000
38. Luckimpore Tea Plantation Company, Limited	13th May	...	2,00,000
39. Muttuck Tea Company, Limited	20th "	...	4,00,000
40. Mutual Tea Company, Limited	27th June	...	8,00,000
41. Meerut Cotton Pressing Company, Limited	8th September	...	1,50,000
42. New Medical Hall Company, Limited	30th April	...	2,50,000
43. Oriental Steam Tug Association, Limited	2nd November	...	7,50,000
44. Punkabaree Tea Company, Limited	9th March	...	2,50,000
45. Punjab Trading Company, Limited	30th December	...	6,00,000
46. St. James' Theatre Company, Limited	17th March	...	1,00,000
47. Scott, Thomson and Company, Limited	1st April	...	5,00,000
48. South Cachar Company, Limited	1st "	...	3,00,000
49. Spence's Hotel Company, Limited	1st May	...	5,00,000
50. Seesagor Tea Company, Limited	28th August	...	4,00,000
51. Sea Salt Company, Limited	15th September	...	5,00,000
52. Simla Club and North-West Wine Company, Limited	18th "	...	3,00,000
53. Tirhoot Indigo Company, Limited	5th October	...	9,00,000
54. Union Steam Tug Company, Limited	6th June	...	3,50,000
55. Victoria Tea Company, Limited	3rd July	...	10,00,000
56. Watts and Company, Limited	1st May	...	3,00,000
Total	.....		3,06,10,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1864.

		Rs.	
		£	Rs.
1. Allyghur Cotton Screwing Company, Limited	5th August 1864	...	25,000
2. Barak Tea Company, Limited	18th March	...	3,00,000
3. Brewery (Nyne Tal) Company, Limited	24th "	...	58,900
4. Burmah Rivers Steam Navigation Company, Limited	12th April	...	20,00,000
5. Bengal Mills Company, Limited	6th September	...	50,000
6. Brunton's Patent Press Company, Limited	3rd "	...	6,00,000
7. Clive Steam Tug Company, Limited	9th April	...	5,00,000
8. Durrung Tea Company, Limited	4th January	...	5,00,000
9. Elgin Cotton Spinning and Weaving Company, Limited	5th May	...	3,00,000
10. Himalaya Hotel Company, Limited	2nd February	...	2,00,000
11. Hooghly Lighter Association, Limited	4th "	...	2,00,000
12. Hindu Flour Company, Limited	7th April	...	10,000
13. Indian Cotton Screwing Company, Limited	12th August	...	4,00,000
14. Indian Daily News Company, Limited	20th June	...	30,000
15. Jeffery and Company, Limited (Merchant Tailors)	10th February	...	1,00,000
16. Jerie Tea Company, Limited	14th April	...	2,00,000
17. Jeypore Tea Company, Limited	1st August	...	1,00,000
18. Kooloovally Tea Company, Limited	23rd May	...	1,00,000
19. Labor Transport Company, Limited	28th July	...	1,00,000
20. Monacherra Tea Company, Limited	30th January	...	8,00,000
21. Mussoorie Savings Bank, Limited	31st May	...	1,00,000
22. Mirzapore and Central Cotton Cleaning and Screwing Company, Limited	22nd July	...	2,00,000
23. Moran Tea Company, Limited	20th "	...	6,00,000
24. Nabor Habi Tea Company, Limited	28th April	...	2,00,000
25. Oudh and United Service Bank, Limited	9th May	...	1,00,000
26. Rohilkund and Kumaon Trading Company, Limited	8th "	...	2,00,000
27. Rangoonea Company, Limited	3rd December	...	5,00,000
28. Singapore Company, Limited	26th May	...	5,000
29. Simlah Brewery Company, Limited	17th November	...	2,00,000
30. Strand Pressing Company, Limited	19th December	...	6,00,000
31. Tukvar Company, Limited	20th February	...	12,00,000
32. Upper India Commercial Association, Limited	1st October	...	7,50,000
Total	.....		1,12,28,900



## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1865.

Names of Companies.	Date on which the Company was registered.	Amount of nominal capital in Rs.
		Rs.
1. Assam Trading Company, Limited	18th March 1865	1,00,000
2. Allahabad Bank, Limited	17th April	3,00,000
3. Bengal Credit Mobilier, Limited	24th February	50,00,000
4. Bangalore Hotel Company, Limited	21st December	1,00,000
5. Chukereah Company, Limited	20th January	2,00,000
6. Cavery Coffee Company, Limited	8th March	1,00,000
7. Calcutta Central Press Company, Limited	21st April	75,000
8. Calcutta Parcels Delivery Company, Limited	23rd May	25,000
9. Cachar Planters' Hotel Company, Limited	22nd November	20,000
10. Dehing Company, Limited	16th February	20,00,000
11. East India Timber Company, Limited	11th "	5,00,000
12. East India Building and General Contract Company, Limited	10th June	50,00,000
13. Issa Cherra Tea Company, Limited	29th March	1,00,000
14. Indian Grain and General Produce Company, Limited	24th April	10,00,000
15. North-East Saw Mills Company, Limited	20th November	2,00,000
16. Oudh Banking Corporation, Limited	12th May	5,00,000
17. Port Canning Hotel Company, Limited	19th January	30,000
18. Port Canning Land Investment, Reclamation and Dock Company, Limited	25th "	1,20,00,000
19. Punjab Printing Company, Limited	18th September	1,00,000
20. Pioneer Press Company, Limited	19th December	1,00,000
21. Salt Water Lakes Reclamation and Irrigation Company, Limited	22nd March	60,00,000
22. Sarawak Jaine Hindustan Banking and Trading Company, Limited	28th June	2,50,00,000
23. Wastarra Coffee Company, Limited	23rd December	48,000
24. Woodstock Tea Company, Limited	22nd January	2,00,000
Total	.....	6,16,98,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1866.

		Rs.
1. Allahabad Railway Co-operative Society, Limited	2nd June 1866	12,000
2. Burmah Steam Tug Company, Limited	12th July	3,00,000
3. Bridgman Tea Company, Limited	1st September	60,000
4. Calcutta School Book and Vernacular Literature Society	7th April	No capital.
5. Durrabhur Company, Limited	23rd May	60,000
6. Futtehgurh Orphan Asylum Tent Manufacturing Company, Limited	20th March	32,000
7. Jamalpore Co-operative Society, Limited	19th January	10,000
8. Murree Junior Club Company, Limited	6th August	20,000
9. Simlah Assembly Rooms Company, Limited	9th January	70,000
10. Sonai Tea Company, Limited	26th April	1,00,000
11. United Bank of India, Limited	14th "	5,00,000
Total	.. ..	11,64,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1867.

		Rs.
1. Borradaile, Schiller Steam Tug Association, Limited	30th May 1867	4,00,000
2. Chandypore, Tea Company, Limited	8th August	2,50,000
3. Calcutta Opera House Company, Limited	11th September	40,000
4. Darjeeling Terai Tea Company, Limited	28th October	1,00,000
5. Eastern Steam Tug Company, Limited	6th December	1,00,000
6. Fyzabad Bank, Limited	16th January	50,000
7. Kuttal Tea Company, Limited	26th "	1,00,000
8. Lucknow Saw Mills and General Contract Company, Limited	28th September	1,00,000
9. Nasmyths' Patent Pressing Company, Limited	16th "	1,60,000
10. Preparis and Cocos Islands Trading Company, Limited	31st May	5,00,000
11. Raneegunge Pottery Company, Limited	30th April	50,000
12. St. Paul's School at Darjeeling	.....	No capital.
Total	.....	18,50,000

## STATEMENT OF JOINT-STOCK COMPANIES REGISTERED IN 1868.

		Rs.
1. Bank of Calcutta, Limited	24th November 1868	10,00,000
2. New Mutual Tea Company, Limited	15th August	1,20,000
Total	.....	11,20,000

*Statement of Joint-Stock Companies wound up from the year 1857 to the year 1868.*

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1857.

Names of Companies.	Date on which the Company was wound up.	Amount of nominal capital in Rs.

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1858.

		Rs.
1. Hydraulic Steam Press Company, Limited	... 11th August 1858 ...	1,00,000
2. Ice Company, Limited (Rangoon)	... 25th September 1858 ...	20,000
Total	...	1,20,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1859.

		Rs.
1. Copper Company, Limited (East India)	... 27th September 1859 ...	6,00,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1860.

		Rs.
1. Darjeeling and Kurseong Tea and Coffee Company, Limited	... 27th August 1860 ...	90,000
2. New Times Company, Limited	... 1st February " ...	2,50,000
3. Rangoon Iron Bazar Company, Limited	... 10th December " ...	1,00,000
Total	...	4,40,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1861.

		Rs.
1. Calcutta Printing and Publishing Company, Limited	... 5th October 1861 ...	50,000
2. Funeral Furnishing Company, Limited	... 5th September 1861 ...	10,000
3. Lime and Coal Company, Limited (Puthurghatta)	... 1st July 1868 ...	4,00,000
Total	...	4,60,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1862.

		Rs.
1. Auction Company, Limited	... 19th September 1862 ...	10,00,000
2. Cachar Company, Limited	... 28th November " ...	2,50,000
3. Ganges Canal Navigation Company, Limited	... 8th November " ...	1,00,000
4. New Silchar Tea Company, Limited	...	4,00,000
Total	...	17,50,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1863.

		Rs.
1. Alan and Hayes, Limited	... 7th July 1863 ...	9,00,000
2. Bag Bazar Screw Company, Limited	... 25th August " ...	2,00,000
3. British Burmah Plantation Company, Limited	... 9th October " ...	3,00,000
4. Dehra Doon and North-West of India Tea Company, Limited	... 2nd April " ...	50,00,000
5. Mutlah Agricultural Company, Limited	... 7th March " ...	2,00,000
6. Screw Steam and Tug Company, Limited, (Under-Writers)	... 16th July " ...	4,00,000
7. Silchar Tea Company, Limited	... 13th May " ...	1,25,000
8. St. James' Theatre Company, Limited	... 17th March " ...	1,00,000
Total	...	72,25,000



## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1864.

Names of Companies.	Date on which the Company was wound up.	Amount of nominal capital in Rs.
1. Bengal Hurkaru Press. Limited	13th January 1864	80,000
2. Bengal Salt Company, Limited	.....	1,00,000
3. Great Northern Assam Tea Company, Limited	27th January 1864	10,00,000
4. Hindu Flour Company, Limited	7th April	10,000
5. Singapore Company, Limited	26th May	5,000
6. Tukvar Tea Company, Limited	26th February	1,00,000
7. Burmah River Steam Navigation Company, Limited	.....	20,00,000
* Total	.....	32,95,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1865.

		Rs.
1. Alliance Tea Company, Limited	2nd July 1863	1,00,000
2. Clive Steam Tug Company, Limited	9th April 1864	50,000
3. Darjeeling Transit and Hotel Company, Limited	21st September 1863	1,00,000
4. E. L. Beake and Company, Limited	13th May 1863	1,50,000
5. Elgin Tea Company, Limited	17th November 1863	1,00,000
6. Ganges Steam Navigation Company, Limited	23rd July 1859	5,71,500
7. Hazareebaugh Tea Company, Limited	17th May 1861	1,50,000
8. Kurseong and Darjeeling Tea and Coffee Company, Limited	29th September 1860	2,50,000
9. Labac Tea Company, Limited	11th February 1862	1,00,000
10. North-West of India Cotton Screwing Company, Limited	12th August 1864	4,00,000
11. Tea Salt Company, Limited	13th September 1863	5,00,000
Total	.....	24,71,500

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1866.

		Rs.
1. Bengal Oil Company, Limited	5th May 1863	1,50,000
2. Bengal River Steam Company, Limited	22nd March 1861	12,00,000
3. Bengal Mills Company, Limited	6th September 1864	50,000
4. Bengal Steam Tug Company, Limited	.....	10,00,000
5. Calcutta Steam Tug Association, Limited	8th September 1858	9,00,000
6. Commercial Transport Association	4th August 1863	2,00,000
7. Calcutta Ship Company, Limited	10th October 1863	5,00,000
8. Delhi Bank, Limited	21st January 1854	20,00,000
9. East India Timber Company, Limited	11th February 1865	5,00,000
10. East India Building and General Contract Company, Limited	10th June 1865	50,00,000
11. Eastern Steam Tug Association, Limited	7th January 1859	5,50,000
12. Hope Town Equitable Tea Company, Limited	9th March 1863	60,000
13. Hunter and Company, Limited	1st May 1863	4,00,000
14. Indian New Castle Coal Company, Limited	23rd November 1863	3,00,000
15. Jerri Tea Company, Limited	14th April 1864	2,00,000
16. South Cachar Company, Limited	1st April 1863	3,00,000
17. Simlah Club and North-West Wine Company, Limited	18th September 1863	3,00,000
18. Salt Water Lakes Reclamation and Irrigation Company, Limited	22nd March 1865	60,00,000
19. Union Steam Tug Company, Limited	6th June 1863	3,50,000
20. Watts and Company, Limited	1st May 1863	8,00,000
Total	.....	2,03,20,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1867.

		Rs.
1. Bengal Credit Mobilier, Limited	23rd February 1865	80,00,000
2. Chakawhar Tea Company, Limited	15th September 1863	4,00,000
3. Cachar and Assam Company, Limited	22nd January 1863	6,00,000
4. Dootooriah Estate and Tea Company, Limited	28th January 1859	2,50,000
5. Fyzabad Bank, Limited	.....	50,000
6. Hooghly Steam Tug Company, Limited	28th April 1863	3,20,000
7. Issa Cherra Tea Company, Limited	28th March 1865	1,00,000
8. Meerut Cotton Pressing Company, Limited	8th September 1863	1,50,000
9. National Bank of India, Limited	29th September 1863	50,00,000
10. North-West Indigo Association, Limited	3rd April 1862	8,00,000
11. Rangonea Company, Limited	3rd December 1864	5,00,000
12. Soorisporo Tea Company, Limited	29th January 1861	2,50,000
13. Seesagor Tea Company, Limited	28th August 1863	4,00,000
14. Strand Pressing Company, Limited	18th December 1864	6,00,000
15. Sylhet and Cachar Tea Company, Limited	29th August 1861	6,00,000
Total	.....	1,80,20,000

## STATEMENT OF JOINT-STOCK COMPANIES WOUND UP DURING 1868.

Names of Companies.	Date on which the Company was registered.	Amount of nominal capital in Rs.
		Rs.
1. Bangalore Hotel Company, Limited	21st December 1865	1,00,000
2. Cachar Planters Hotel Company, Limited	22nd November 1865	20,000
3. Cachar Tea Company, Limited	5th May 1863	12,00,000
4. Central Assam Tea Company, Limited	21st December 1861	5,00,000
5. Eastman and Company, Limited	30th April 1863	3,00,000
6. Golaghat Assam Tea Company, Limited	30th April 1863	6,00,000
7. Hope Town Tea Association, Limited	24th July 1858	3,12,500
8. Indian Daily News Company, Limited	20th June 1864	30,000
9. Ishera Yarn Mills Company, Limited	22nd December 1858	6,00,000
10. Jumalpoore Co-operative Society, Limited	19th January 1866	10,000
11. Jeypore Tea Company, Limited	1st August 1864	1,00,000
12. Labor Transport Company, Limited	28th July 1864	1,00,000
13. Mutual Tea Company, Limited	27th June 1863	8,00,000
14. New Medical Hall Company, Limited	30th April 1863	2,50,000
15. Oriental Steam Tug Association, Limited	2nd November 1863	7,50,000
16. Oudh Banking Corporation, Limited	12th May 1865	5,00,000
17. People's Bank of India, Limited	1st May 1860	5,00,000
18. Preparis and Cocos Islands Company, Limited	31st May 1867	5,00,000
19. Sonai Tea Company, Limited	26th April 1866	1,00,000
Total	.....	72,72,500

## Statement of Joint-Stock Companies transferred to the Registrar of Joint-Stock Companies in the North-Western Provinces and Punjab during the years 1867 and 1868.

Names of Companies transferred to the Registrar of Joint-Stock Companies, North Western-Provinces.	Date of transfer.	Amount of nominal capital in Rs.
		Rs.
1. Allahabad Printing Association, Limited	24th July 1868	25,000
2. Agra Savings Bank, Limited	May "	1,40,000
3. Allighur Cotton Screwing Company, Limited	ditto	25,000
4. Allahabad Bank, Limited	ditto	3,00,000
5. Allahabad Railway Co-operative Society, Limited	ditto	40,000
6. Bank of Upper India, Limited	April 1868	10,00,000
7. Brewery (Nyne Tal) Company, Limited	ditto	58,900
8. Elgin Cotton Spinning and Weaving Company, Limited	ditto	3,00,000
9. Futtehghur Orphan Asylum Tent Manufacturing Company, Limited	May 1868	32,000
10. Iron Works Company, Limited (North of India, Kumaon)	ditto	4,65,000
11. Indian Grain and General Produce Company, Limited	ditto	10,00,000
12. Kousanie Tea Company, Limited	ditto	2,13,000
13. Lucknow Saw Mills and General Contract Company, Limited	2nd November 1868	1,00,000
14. Mussorie Savings Bank, Limited	24th July 1868	1,00,000
15. Mirzapore and Central Cotton Cleaning and Screwing Company, Limited	May 1868	2,00,000
16. Pioneer Press Company, Limited	ditto	1,00,000
17. Rohilkund and Kumaon Trading Company, Limited	ditto	2,00,000
18. Uncovenanted Service Bank, Limited	April 1868	1,05,000
Total	.....	44,03,800

Names of Companies transferred to the Registrar of Joint-Stock Companies, Punjab.	Date of transfer.	Amount of nominal capital in Rs.
		Rs.
1. Kangra Valley Tea Company, Limited	13th July 1867	96,000
2. Jeffery and Company, Limited (Merchant Tailors)	May 1867	1,00,000
3. Kooloolvalley Tea Company, Limited	ditto	1,00,000
4. Murree Brewery Company, Limited	13th September 1867	5,00,000
5. Murree Junior Club Company, Limited	June "	20,000
6. Punjab Bank, Limited	May "	5,00,000
7. Punjab Printing Company, Limited	ditto	1,00,000
8. Simla Bank Corporation, Limited	ditto	6,15,000
9. Simla Brewery Company, Limited	ditto	2,00,000
10. Simla Assembly Rooms Company, Limited	ditto	70,000
11. Upper India Commercial Association, Limited	ditto	7,50,000
12. United Bank of India, Limited	ditto	5,00,000
Total	.....	35,51,000



*Statement of Joint-Stock Companies defunct.*

Names of Companies.			Amount of nominal capital in Rs.
1. Barak Tea Company, Limited	...	...	3,00,000
2. Calcutta Parcels Delivery Company, Limited	...	...	25,000
3. Chukereah Company, Limited	...	...	2,00,000
4. Himalayah Hotel Company, Limited	...	...	2,00,000
5. Hooghly Lighter Association, Limited	...	...	2,00,000
6. Sarawak Jainee Hindustan Banking and Trading Company, Limited	...	...	2,50,00,000
7. Woodstock Tea Company, Limited	...	...	2,00,000
Total			2,61,25,000

*Statement of Joint-Stock Companies registered during 1869.*

Names of Companies.		When registered.	Amount of nominal capital in Rs.
Arcuttipore Tea Company, Limited	...	19th January 1869	3,00,000
Hong-Kong and Shanghai Banking Corporation	...	7th April 1869	50,00,000 five millions of dollars, Hong-Kong Currency, equal to Rs. ...1,12,50,000
*Bengal Masonic Association	...	4th August 1869	Nil
Muddenhaut Tea Company, Limited	...	31st December 1869	1,50,000
Total		.....	1,17,00,000

\* Registered under Act XXI of 1860.

*Statement of Joint-Stock Companies wound up during 1869.*

Names of Companies.		When registered.	Amount of nominal capital in Rs.
Calcutta Screwing Company, Limited	...	27th November 1863	2,20,000
Assam Trading Company, Limited	...	18th March 1865	1,00,000
Nahor Habi Tea Company, Limited	...	28th April 1864	2,00,000
Punjab Trading Company, Limited	...	30th December 1863	6,00,000
Raneegunge Pottery Company, Limited	...	30th April 1867	50,000
Lebong and Minchu Tea Company, Limited	...	18th March 1863	1,50,000
Hylakandy Tea Company, Limited	...	23rd November 1863	2,00,000
Spence's Hotel Company, Limited	...	1st May 1863	5,00,000
Total		.....	20,20,000

Comparative Statement showing the number and capital of Joint-Stock Companies registered and wound up during the period from 1857 to 1869.

	1857.		1858.		1859.		1860.		1861.		1862.		1863.		1864.		1865.		1866.		1867.		1868.		1869.		TOTAL.			
	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.		
1 Companies registered ...	2	16,00,000	9	52,05,000	14	52,56,500	12	50,27,000	18	61,45,000	13	59,01,000	56	3,06,10,000	32	1,12,25,000	24	6,15,98,000	11	11,64,000	12	15,50,000	2	11,20,000	4	1,17,00,000	...	...	209	15,13,45,000
2 Ditto wound up ...	...	...	2	1,20,000	1	6,00,000	3	4,40,000	3	4,50,000	4	17,50,000	8	72,25,000	7	32,95,000	11	24,71,500	20	2,03,20,000	15	1,80,20,000	19	72,72,500	8	20,50,000	101	6,59,94,000	...	...
3 Ditto otherwise defunct ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2,59,00,000	5	9,25,000	...	...	...	...	...	7	2,61,25,000	...	...	
4 Ditto transferred to the register for N. W. P. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18	44,03,900	...	...	18	44,03,500	...	...	
5 Ditto ditto to the register for the Punjab ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	35,51,000	...	...	12	35,51,000	138	9,80,73,000		
6 Companies remaining on the Calcutta register ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71	5,86,45,000	

H. BEVERLEY,  
Registrar-General.



## Meteorological Telegraphic Report for the period 26th Feb. to 4th Mar. 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Weather initials.	Clouds.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Feb.		Inches.		⊖	⊖				Inches.		
	26th	10	30.062	30.080	77.2	67.2	56	S W	...	...	...	CK
	16	10	29.923	29.941	86.0	68.0	35	S by E	...	...	...	CK
	27th	10	30.031	30.049	75.5	65.6	43	W	...	...	...	C
	16	10	29.868	29.916	88.2	69.3	33	N	...	...	b	
	28th	10	30.047	30.065	78.5	69.5	61	S S W	...	...	b	
	Mar.	16	29.909	29.927	87.5	67.3	30	W N W	...	...	b	
	1st	10	30.014	30.032	79.0	68.0	54	S	...	...	b	
	16	10	29.866	29.878	89.0	68.4	30	W S W	...	...	b	
	2nd	10	29.919	29.937	81.4	71.5	59	S by W	...	...	b	
	16	10	29.768	29.786	92.7	70.0	27	W S W	...	...	b	
	3rd	10	29.902	29.920	80.7	65.0	38	W	...	...	b	
	16	10	29.778	29.796	92.8	68.8	24	W N W	...	...	b	
	4th	10	29.961	29.979	84.5	67.2	39	E	...	...	...	C
	16	10	29.830	29.843	91.2	70.0	31	W S W	...	...	...	C
SAGOR ISLAND.	Feb.											
	26th	10	30.078	30.084	78	74	81	N N E	1	...	m	K
	16	10	29.947	29.953	80	75	78	S W	1	...	o. m	K
	27th	10	30.073	30.079	79	75	82	N N W	1	...	b m	S, CK
	16	10	29.952	29.958	80	73	70	S W	3	...	b m	CS
	28th	10	30.068	30.074	78	74	81	W	1	...	...	C
	Mar.	16	29.919	29.925	82	75	70	W S W	1	...	m	
	1st	10	30.032	30.038	80	75	78	W	1	...	b m	
	16	10	29.898	29.904	83	75	67	S W	2	...	m	
	2nd	10	29.951	29.957	82	74	60	W	3	...	b	
	16	10	29.807	29.813	84	76	67	W S W	2	...	b m	
	3rd	10	29.939	29.945	85	73	54	W N W	1	...	b	C
	16	10	29.807	29.813	84	77	71	S W	2	...	b m	C
	4th	10	29.959	29.965	85	74	57	S E	1	...	m	C
	16	10	29.853	29.859	85	75	60	S W	1	...	m	
CHITTAGONG.	Feb.											
	26th	10	29.934	30.016	80	70	58	N E by N	6.3*	...	u g	KS
	16	10	29.826	29.934	81	69	51	W S W	0.3*	...	u g	KS
	27th	10	29.904	30.018	72	66	71	N	3.1*	...	d g	K, KS
	16	10	29.870	29.984	70	65	75	N N E	5.1*	...	d g	N
	28th	10	29.926	30.038	74	69	76	N W	4.1*	0.10	b	
	Mar.	16	29.703	29.813	63	72	56	W S W	6.8*	...	b	
	1st	10	29.894	30.006	81	69	51	N N W	3.0*	...	b	
	16	10	29.779	29.890	83	71	53	W	9.7*	...	b	
	2nd	10	29.850	29.961	84	72	53	W S W	3.4*	...	b	
	16	10	29.751	29.862	84	73	59	W S W	9.8*	...	b	
	3rd	10	29.823	29.933	86	71	44	E S E	4.1*	...	b	
	16	10	29.722	29.831	88	70	37	S W	7.2*	...	b	
	4th	10	29.834	29.945	84	68	40	N W	4.1*	...	b	C
	16	10	29.727	29.835	90	71	35	W S W	6.2*	...	b	C
MADRAS.	Feb.											
	26th	10	29.900	29.990	83	72	56	N N W	16*	...	b o	
	16	10	29.846	29.876	83	73	60	N	18*	...	b o	
	27th	10	29.961	29.991	81	71	60	N N W	15*	...	b o	
	16	10	29.855	29.885	83	72	56	N by W	16*	...	b o	
	28th	10	29.949	29.979	83	75	67	N N W	16*	...	b o	
	Mar.	16	29.837	29.867	82	75	70	N N W	19*	0.01	b o	
	1st	10	30.014	30.044	73	72	95	N E	4*	1.45	b o	
	16	10	29.894	29.924	81	75	74	E N E	10*	0.30	b o	
	2nd	10	29.978	30.008	83	75	67	E N E	4*	...	b o	
	16	10	29.867	29.897	83	75	67	N E by E	8*	...	b o	
	3rd	10	29.956	29.986	89	74	66	N N E	3*	...	b o	
	16	10	29.834	29.864	83	74	63	E N E	7*	...	b o	
	4th	10	29.946	29.976	80	74	74	E N E	3*	...	b o	
	16	10	29.830	29.860	82	73	63	E by N	8*	...	b o	
CUTTACK.	Feb.											
	26th	10	30.039	30.121	78	70	65	N E	11.3*	...	m	C, CS
	16	10	29.878	29.960	84	72	53	E	15.3*	...	m	CS
	27th	10	30.019	30.102	78	69	61	N	10.8*	...	m	C
	16	10	29.873	29.955	85	70	44	E by S	13.2*	...	m	C, CK
	28th	10	30.024	30.108	75	70	76	E	6.4*	...	b m	
	Mar.	16	29.893	29.945	84	69	43	E by S	12.1*	...	m	C
	1st	10	29.991	30.074	77	66	58	W	6.6*	...	b m f	
	16	10	29.810	29.822	85	65	29	W	7.7*	...	b m	
	2nd	10	29.931	30.014	77	67	56	S	6.4*	...	b m	
	16	10	29.768	29.850	87	66	27	N by E	6.9*	...	b m	
	3rd	10	29.879	29.992	78	64	42	W	7.2*	...	m	C
	16	10	29.745	29.827	87	69	36	N W	10.3*	...	m	C
	4th	10	29.909	29.992	79	66	47	N W	10.4*	...	m	C
	16	10	29.744	29.826	88	65	23	S by W	6.8*	...	m	
ARYAN.	Feb.											
	26th	10	30.049	30.065	73	68	76	Calm	...	...	g	KS
	16	10	29.981	29.996	73	69	69	Calm	...	...	...	KS, N
	27th	10	30.014	30.030	75	70	76	N E	1	...	g	
	16	10	29.923	29.938	79	73	73	N E	1	...	g	KS, N
	28th	10	30.044	30.060	75	70	76	Calm	...	...	b	C, CK, CS
	Mar.	16	29.905	29.920	82	77	78	N E	1	...	b	K, CK
	1st	10	30.009	30.025	73	66	67	Calm	...	...	b	
	16	10	29.873	29.888	83	71	52	N N W	2	...	b	
	2nd	10	29.854	29.870	75	68	69	N E	1	...	b m	
	16	10	29.820	29.835	84	70	46	N W	4	...	m	C
	3rd	10	29.925	29.941	78	69	49	N W	1	...	b	
	16	10	29.806	29.821	87	85	91	N W	4	...	b	
	4th	10	29.979	29.995	75	69	69	Calm	...	...	b	
	16	10	29.805	29.820	86	73	51	N W	1	...	b m	C, CS

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 5th March 1870.HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Circuit.	STATIONS.	to Rain from 14th 20th Feb. 1870.	to Rain from 21st 27th Feb. 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
		Inch.	Inch.	Inch.		
SOUTH-WESTERN.	Pooree ...	Nil	Not received	Nil	20th Feb. 1870.	
	False Point ...	Not received	ditto	ditto	6th Feb. 1870.	
	Cuttack { Telegraph Office	Nil	Nil	1.00	27th Feb. 1870.	
	{ Jail ...	ditto	ditto	1.05	ditto.	
	Sambulpore ...	ditto	Not received	3.30	20th Feb. 1870.	
WESTERN.	Balasore ...	ditto	ditto	1.18	ditto.	
	Midnapore ...	Nil	Nil	0.90	27th Feb. 1870.	
	Bancoorah ...	ditto	ditto	0.35	ditto.	
	Chyebussa ...	ditto	Not received	1.50	20th Feb. 1870.	
	Purulia ...	ditto	Nil	1.22	27th Feb. 1870.	
CENTRAL.	Burdwan ...	ditto	ditto	0.20	ditto.	
	Raneegunge ...	ditto	ditto	0.15	ditto.	
	Sooree ...	Not received	Not received	.....	.....	
	Deoghur ...	Nil	Nil	0.40	27th Feb. 1870.	
	Burhee ...	Not received	Not received	0.45	6th Feb. 1870	Not received 3rd to 16th Jan.
NORTH-CENTRAL.	Hazareebaugh ...	ditto	Nil	0.28	27th Feb. 1870	Not received 14th to 20th Feb.
	Saugor Island ...	Nil	Nil	Nil	27th Feb. 1870.	
	Contai ...	Not received	Not received	ditto	13th Jan. 1870.	
	Calcutta ...	Nil	Nil	0.77	27th Feb. 1870.	
	Howrah ...	ditto	ditto	1.42	ditto.	
NORTH-WESTERN.	Hooghly { Jail ...	ditto	ditto	1.00	ditto.	
	{ College ...	Not received	Not received	.....	.....	
	Jessore ...	Nil	Nil	0.20	27th Feb. 1870.	
	Berhampore ...	Not received	Not received	Nil	13th Feb. 1870	
	Furzedpore ...	Nil	Nil	ditto	27th Feb. 1870	Not received 7th to 13th Feb.
NORTHERN.	Burrisaul ...	ditto	ditto	ditto	ditto.	
	Kishnagur ...	ditto	ditto	0.16	ditto.	Not received 1st to 16th Jan.
	Ranaghat ...	ditto	ditto	Nil	ditto	Not received 1st Jan. to 6th Feb.
	Bongong ...	ditto	ditto	0.30	ditto	Not received 1st to 9th Jan.
	Meharpore ...	ditto	ditto	Nil	ditto	Not received 1st Jan. to 6th Feb.
NORTH-EASTERN.	Choadangah ...	ditto	ditto	ditto	ditto	Not received 1st Jan. to 6th Feb.
	Bhaugulpore ...	Nil	Nil	0.50	27th Feb. 1870	Not received 24th to 30th Jan.
	Monghyr ...	ditto	ditto	0.16	ditto.	
	Patna ...	ditto	ditto	0.04	ditto.	
	Arrah ...	ditto	ditto	Nil	ditto.	
EASTERN.	Buxar ...	ditto	ditto	0.15	ditto.	
	Chuprah ...	ditto	ditto	Nil	ditto.	
	Chumparun ...	ditto	Not received	ditto	20th Feb. 1870	Not received 3rd to 10th Jan.
	Benares ...	ditto	ditto	0.05	ditto.	
	Rampore Beaulah ...	Nil	Nil	Nil	27th Feb. 1870.	
SOUTH-EASTERN.	Pubna ...	ditto	ditto	ditto	ditto.	
	Maldah ...	ditto	Not received	ditto	20th Feb. 1870.	
	Bograh ...	ditto	Nil	ditto	27th Feb. 1870	Not received 1st to 9th Jan.
	Dinapore ...	Not received	ditto	1.20	ditto	Not received 14th to 20th Feb.
	Rungpore ...	Nil	Not received	Nil	20th Feb. 1870	Not received 10th to 23rd Jan.
SOUTHERN.	Julpigoree ...	ditto	Nil	ditto	27th Feb. 1870.	
	Buxa ...	Not received	Not received	.....	.....	
	Darjeeling ...	Nil	Nil	1.21	27th Feb. 1870.	
	Gowalparah ...	Nil	Nil	0.15	27th Feb. 1870.	
	Gowhaty ...	ditto	Not received	0.30	20th Feb. 1870.	
SOUTHERN-EASTERN.	Shillong ...	ditto	ditto	Nil	ditto.	
	Nowgong ...	0.70	ditto	0.70	ditto	Not received 1st Jan. to 13th Feb.
	Tezpore ...	Nil	ditto	1.15	ditto	
	Dholebagun ...	0.15	ditto	1.50	ditto	
	Sebsaugur ...	Nil	ditto	1.30	ditto	
SOUTHERN-EASTERN.	Debrooghur ...	Not received	ditto	4.40	6th Feb. 1870	Not received 1st to 9th Jan.
	Samooogoodting ...	Nil	ditto	0.25	20th Feb. 1870	Not received 1st and 2nd Jan.
	Cherra Poonjee ...	Not received	ditto	.....	.....	
	Dacca ...	Not received	Nil	Nil	27th Feb. 1870	Not received 10th to 16th Jan.
	Mymensing ...	ditto	Not received	0.05	13th Feb. 1870.	and 14th to 20th Feb.
SOUTHERN-EASTERN.	Sylhet ...	Nil	ditto	0.80	20th Feb. 1870.	
	Cachar ...	ditto	ditto	0.90	ditto	
	Aenakhall Hylakandy ...	ditto	ditto	0.83	ditto	
	Tipperah ...	ditto	ditto	0.10	ditto	
	Noakhally ...	ditto	ditto	Nil	ditto	
SOUTHERN-EASTERN.	Chitta- { Telegraph Office	ditto	Nil	ditto	27th Feb. 1870.	
	{ Jail ...	ditto	Not received	ditto	20th Feb. 1870.	
	Rangamata Hill ...	ditto	ditto	ditto	ditto	
	Akyab ...	Nil	Nil	Nil	27th Feb. 1870.	

CALCUTTA,  
The 5th March 1870.HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY MAIN LINE.

*Approximate Return of Traffic for Week ended 20th February 1870 on 1,131 miles open.*

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£. s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£. s. d.
Total Traffic for the week ...	1,04,576½	*1,84,778 14 6	16,938 1 4	7,00,201 0	†3,76,898 15 9	34,549 1 6	51,487 2 10
Or per mile of Railway .....	.....	163 6 0	14 19 6	.....	333 3 11	30 11 0	45 10 6
For previous 6 weeks of half-year...	7,78,766	15,18,944 14 5	1,39,236 12 5	43,53,335 30	26,05,864 7 9	2,38,870 18 2	3,78,107 10 7
Total for 7 weeks ...	8,83,342½	17,03,723 12 11	1,50,174 13 9	50,53,596 30	29,82,763 7 6	2,73,419 19 8	4,29,594 13 5
COMPARISON.							
Total for corresponding week of previous year ...	1,10,520½	1,77,982 10 3	16,315 1 6	7,95,404 0	4,39,354 1 3	40,274 2 5	56,589 3 11
Per mile of Railway corresponding week of previous year ...	.....	167 5 11	14 8 6	.....	388 7 5	35 12 2	50 0 9
Total to corresponding date of previous year ...	7,48,953½	12,71,519 6 9	1,16,555 18 11	53,70,189 0	29,96,611 7 9	2,74,689 7 8	3,91,245 6 7

\* Rs. 5,419-10-0 added as East Indian Railway proportion from Loodiana to Jubbulpore on account of Troops Train.

† Rs. 3,911-14-9 added on account of freight of locomotive coal carried on Jubbulpore line.

## EAST INDIAN RAILWAY JUBBULPORE LINE.

*Approximate Return of Traffic for Week ended 20th February 1870 on 223 miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	4,295	*22,175 9 5	2,032 15 3	53,344 20	12,440 0 0	1,140 17 8	3,173 12 11
Or per mile of Railway ...	.....	99 7 1	9 2 4	.....	55 13 0	5 2 4	14 4 8
For previous 6 weeks of half-year...	42,332½	1,30,574 2 11	11,969 6 0	2,80,933 0	72,170 7 9	6,615 12 6	18,584 18 6
Total for 7 weeks ...	46,627½	1,52,749 12 4	14,002 1 3	3,34,277 20	84,610 7 9	7,756 10 2	21,758 11 5
COMPARISON.							
Total for corresponding week of previous year ...	3,773	11,358 8 3	1,040 14 9	52,543 10	17,224 4 10	1,578 17 11	2,619 12 8
Per mile of Railway corresponding week of previous year ...	.....	50 14 7	4 13 4	.....	77 3 10	7 1 7	11 14 11
Total to corresponding date of previous year ...	28,966½	96,018 8 3	8,801 14 0	4,05,779 30	1,16,924 4 2	10,718 1 1	19,519 15 1

Rs. 3,163-12-3 added as Jubbulpore line proportion from Loodiana to Jubbulpore on account of Troops Train.

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for Week ended 19th February 1870 on 113½ miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	28,416	17,092 13 0	1,566 16 10	95,340 0	18,110 6 0	1,600 2 4	3,236 16 2
Or per mile of Railway ...	249	150 14 10	13 16 9	841 34	159 14 8	14 18 2	28 9 11
For previous 7 weeks of half-year	1,72,653½	1,17,554 7 6	10,775 16 6	6,13,861 0	91,904 2 9	8,424 11 0	19,200 7 6
Total for 8 weeks ...	2,00,769½	1,34,647 4 6	12,342 13 4	7,09,201 0	1,10,014 8 9	10,084 13 4	22,427 6 4
COMPARISON.							
Total for corresponding week of previous year ...	23,210½	18,787 5 5½	1,723 3 5	1,18,445 27	22,420 6 5½	2,055 4 1	3,777 7 6
Per mile of Railway corresponding week of previous year ...	249	165 14 3	15 4 2	1,045 35	197 15 7	18 2 11	33 7 1
Total to corresponding date of previous year ...	1,87,928½	1,24,414 6 3½	11,404 13 0	7,30,914 1½	1,35,421 0 2½	12,413 11 11	23,818 4 11

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for Week ended 19th February 1870 on 28 miles open.*

		Rs. As. P.	£ s. d.	Mds. S.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	5,294½	960 12 9	88 1 6	12,939 30	618 14 0	47 11 4	135 12 10
Or per mile of Railway ...	186	34 5 0	3 2 11	641 0	18 8 6	1 14 0	4 16 11
For previous 7 weeks of half-year...	35,137	6,268 2 9	574 11 7	86,184 16	2,919 9 0	258 9 4	633 0 11
Total for 8 weeks ...	40,341½	7,228 15 6	662 13 1	1,04,124 6	3,538 7 9	306 0 8	988 13 9
COMPARISON.							
Total for corresponding week of previous year ...	6,625	1,255 5 9½	115 1 6	18,638 27	621 11 3	56 19 9	172 1 3
Per mile of Railway corresponding week of previous year ...	201	44 13 4	4 2 2	666 0	22 3 3	2 0 9	6 2 11
Total to corresponding date of previous year ...	40,664½	8,447 5 4½	774 8 9	91,017 28	4,046 3 3	370 18 0	1,145 6 2

No. 11 .

of 1870



SUPPLEMENT TO  
**The Calcutta Gazette.**

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WEDNESDAY, MARCH 16, 1870.

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**OFFICIAL PAPERS.**

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*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 27th February 1870 on 1,131 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.			Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total Traffic for the week ...	1,12,240½	*1,84,496 10 0	16,912 3 10		6,53,823 20	4,77,459 14 6	43,767 3 2	60,679 7 0	
Or per mile of Railway ...	.....	163 2 1	14 19 1		.....	422 2 6	38 13 11	53 13 6	
For previous 7 weeks of half-year...	8,83,342½	17,03,723 12 11	1,56,174 13 9		59,53,596 30	29,82,763 7 6	2,73,419 19 8	4,20,594 13 5	
Total for 8 weeks ...	9,95,583	18,88,220 6 11	1,73,086 17 7		67,42,419 10	34,60,223 6 0	3,17,187 2 10	4,90,274 0 5	
COMPARISON.									
Total for corresponding week of previous year ...	96,779	1,45,838 8 10½	13,643 10 8		8,01,323 10	4,51,385 14 8	41,377 0 10	55,020 11 6	
Per mile of Railway corresponding week of previous year ...	.....	131 9 7	12 1 3		.....	399 1 8	36 11 8	48 12 11	
Total to corresponding date of previous year ...	8,45,732½	14,20,357 15 7½	1,30,199 9 7		61,71,512 10	34,47,667 6 5	3,16,066 8 6	4,46,263 18 1	

\* Rs. 14,121-6-9 added on account of missing returns from Cawnpore in week ending 30th January 1870.

## EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 27th February 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	4,464½	*21,265 11 6	1,949 7 2	46,591 10	12,424 6 6	1,138 18 1	3,088 5 3
Or per mile of Railway ...	.....	95 5 10	8 14 10	.....	55 11 5	5 2 2	15 17 0
For previous 7 weeks of half-year...	46,627½	1,52,740 12 4	14,092 1 3	3,34,277 20	84,616 7 9	7,756 10 2	21,759 11 5
Total for 8 weeks ...	51,092	1,74,015 7 10	15,951 8 5	3,80,868 30	97,040 14 3	8,895 8 3	24,846 16 8
COMPARISON.							
Total for corresponding week of previous year ...	3,347	10,063 11 4	922 10 1	53,954 0	13,072 0 1	1,198 5 4	2,129 15 5
Per mile of Railway corresponding week of previous year ...	.....	45 2 1	4 2 9	.....	58 9 11	5 7 6	9 10 2
Total to corresponding date of previous year ...	32,315½	1,06,052 3 7	9,724 4 1	4,59,733 30	1,29,996 4 3	11,916 6 5	21,640 10 6

\* Rs. 6,617-14-7 added on account of Jubbulpore proportion for missing returns of extra Troops Train run in week ending 30th January 1870.

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 26th February 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	25,881	18,444 9 9	1,690 15 1	1,25,480 0	17,768 10 6	1,628 15 11	3,319 11 0
Or per mile of Railway ...	229	162 13 10	14 18 7	1,108 0	156 14 4	14 7 8	29 6 3
For previous 8 weeks of half-year	2,00,799½	1,34,647 4 6	12,342 13 4	7,99,201 0	1,10,914 8 9	10,084 13 4	22,427 6 8
Total for 9 weeks ...	2,26,680½	1,53,091 14 3	14,033 8 5	8,34,681 1	1,27,783 3 3	11,713 9 3	25,746 17 5
COMPARISON.							
Total for corresponding week of previous year ...	28,322	18,278 14 8½	1,675 11 4	1,38,736 31½	19,406 2 0½	1,787 2 11	3,462 14 3
Per mile of Railway corresponding week of previous year ...	250	161 6 5	14 15 11	1,225 0	172 2 5	15 15 7	30 11 6
Total to corresponding date of previous year ...	2,16,250½	1,42,693 5 0½	13,090 4 4	8,60,650 33	1,54,917 2 3½	14,200 14 10	27,280 19 2

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 26th February 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. S.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	5,127	1,079 10 6	98 19 4	13,809 0	1,461 10 6	133 19 9	232 19 1
Or per mile of Railway ...	183	38 8 11	3 10 8	493 0	52 3 2	4 15 9	8 6 5
For previous 8 weeks of half-year...	40,341½	7,228 15 6	662 13 1	1,04,124 6	3,338 7 9	306 0 8	668 13 9
Total for 9 weeks ...	45,468½	8,308 10 0	761 12 5	1,17,933 6	4,800 2 3	440 0 5	1,201 12 10
COMPARISON.							
Total for corresponding week of previous year ...	5,622½	1,232 3 11½	112 19 2	22,535 33	759 0 6	69 11 6	182 10 6
Per mile of Railway corresponding week of previous year ...	201	44 0 2	4 0 8	805 0	27 1 9	2 0 9	6 10 5
Total to corresponding date of previous year ...	46,187	9,679 9 4	887 7 11	1,13,553 21	4,805 3 9	440 9 6	1,327 17 6

## Meteorological Telegraphic Report for the period 5th to 11th March 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETRE.		Humidity, Sat. = 100.	WIND.		Rain.	Weather initials.	CLOUDS.
					Dry.	Wet.		Direction.	Velocity.			
	Mar.		Inches.		⊖	⊖				Inches.		
CALCUTTA.	5th	10	29.863	29.884	80.0	72.0	68	S S W	...	...	...	C
	18	16	29.855	29.883	81.3	71.5	31	S W	...	...	b	...
	6th	10	29.857	29.875	78.6	73.0	73	N W	...	...	b	...
	16	16	29.816	29.884	91.3	71.7	35	W	...	...	...	...
	7th	10	29.831	29.849	82.0	71.8	59	S W	...	...	...	C
	16	16	29.800	29.818	92.6	72.5	33	W S W	...	...	...	C
	8th	10	29.834	29.852	83.0	68.8	30	N N W	...	...	b	...
	16	16	29.797	29.815	89.7	68.8	32	N W	...	...	...	C
	9th	10	29.833	29.851	81.7	65.0	35	W by N	...	...	b	...
	16	16	29.790	29.808	89.2	69.5	33	W	...	...	...	C
	10th	10	29.816	29.834	81.0	67.5	46	S by W	...	...	b	...
	16	16	29.788	29.786	92.0	70.5	30	W	...	...	b	...
SAGOR ISLAND.	11th	10	29.801	29.819	80.7	67.0	44	S S W	...	...	b	...
	16	16	29.764	29.782	91.8	70.4	30	W by S	...	...	...	SC
	5th	10	29.874	29.880	80	77	86	N	1	...	b f	C
	16	16	29.858	29.884	83	78	78	S S W	1	...	b m	C
	6th	10	29.901	29.907	82	78	82	N W	1	...	b m	C
	16	16	29.851	29.857	84	76	67	S W	1	...	b m	C
	7th	10	29.944	29.950	83	77	75	W N W	1	...	b m	C
	16	16	29.829	29.835	85	76	64	W S W	1	...	b m	CK
	8th	10	29.956	29.962	83	70	49	N N E	2	...	m	C
	16	16	29.821	29.827	92	73	37	N E	1	...	m	C
	9th	10	29.964	29.970	88	66	29	N E	2	...	b m	C
	16	16	29.820	29.826	88	74	49	S S W	1	...	m	C
CHITTAGONG.	10th	10	29.929	29.935	82	73	63	W N W	1	...	b m	C
	16	16	29.801	29.807	87	74	51	W S W	1	...	m	C
	11th	10	29.922	29.928	83	78	78	W N W	1	...	m	CK
	16	16	29.782	29.788	85	77	68	S S W	1	...	b m	CK
	5th	10	29.834	29.845	84	63	25	N N W	6.2*	...	b m	CK
	16	16	29.747	29.856	89	67	26	W S W	10.5*	...	b m	...
	6th	10	29.842	29.852	88	72	43	E	5.2*	...	b m	...
	16	16	29.747	29.856	89	71	37	S W	7.5*	...	b m	CS
	7th	10	29.820	29.939	87	73	48	W S W	4.0*	...	b	...
	16	16	29.742	29.851	86	76	61	S S W	8.2*	...	b	OS
	8th	10	29.807	29.918	85	75	60	W	4.3*	...	b	C
	16	16	29.710	29.819	88	74	49	S W	8.7*	...	b	K
MADRAS.	9th	10	29.807	29.917	86	70	41	N W	3.4*	...	b m	...
	16	16	29.702	29.811	89	64	10	W S W	9.1*	...	b m	CS
	10th	10	29.790	29.900	87	68	33	W S W	4.3*	...	b	C
	16	16	29.790	29.900	88	69	34	W S W	9.5*	...	b	...
	11th	10	29.790	29.900	86	74	54	W S W	4.4*	...	b	...
	16	16	29.693	29.802	88	73	46	S W	9.0*	...	b	...
	5th	10	29.954	29.984	83	72	56	E	7*	...	b c	...
	16	16	29.843	29.873	83	71	52	E by N	8*	...	b	...
	6th	10	29.975	30.005	83	74	63	E	5*	...	b c	...
	16	16	29.861	29.891	83	75	67	E	9*	...	b c	...
	7th	10	29.954	29.984	85	76	64	E	4*	...	b c	...
	16	16	29.841	29.871	82	73	63	E	8*	...	b	...
CUTTACK.	8th	10	29.943	29.973	83	74	63	E S E	3*	...	b c	...
	16	16	29.826	29.856	86	76	61	E	7*	...	b	...
	9th	10	29.924	29.954	84	75	64	E S E	3*	...	b	...
	16	16	29.817	29.847	85	75	60	E S E	7*	...	b	...
	10th	10	29.917	29.947	84	74	60	S S E	5*	...	b	...
	16	16	29.818	29.848	85	74	57	E by S	7*	...	b	...
	11th	10	29.936	29.966	84	75	64	S E	5*	...	b	...
	16	16	29.818	29.848	84	72	53	S E	7*	...	b m	...
	5th	10	29.916	29.999	79	66	47	W	7.6*	...	b f m	...
	16	16	29.786	29.868	87	65	25	S	7.9*	...	b m	...
	6th	10	29.949	30.032	78	67	53	E by S	5.5*	...	f m	C
	16	16	29.786	29.868	86	65	27	S	11.5*	...	b m	...
AKYAB.	7th	10	29.949	30.032	78	65	46	W by S	7.3*	...	b f	C
	16	16	29.703	29.845	88	66	23	W by S	12.8*	...	m	C
	8th	10	29.886	29.969	80	67	47	S	6.4*	...	f m	C
	16	16	29.750	29.832	88	70	40	S E	16.4*	...	m	C
	9th	10	29.893	29.980	83	70	49	N	10.3*	...	f m	C
	16	16	29.744	29.826	89	69	32	E	14.5*	...	m	C
	10th	10	29.893	29.976	80	72	65	S E	4.8*	...	f m	C
	16	16	29.739	29.819	90	68	27	N W	18.8*	...	m	C, CK
	11th	10	29.851	29.934	81	74	70	W by N	10.2*	...	f	NO
	16	16	29.704	29.785	92	73	37	N W	12.5*	...	m	C
	5th	10	29.924	29.940	75	66	59	N E	1	...	b	...
	16	16	29.846	29.860	89	73	51	N W	1	...	b	...
	6th	10	29.961	29.976	76	67	60	N E	1	...	b	K
K.	16	16	29.847	29.862	85	76	64	N E	1	...	b m	...
	7th	10	29.938	29.953	81	70	78	N E	1	...	b	...
	16	16	29.787	29.802	89	69	32	N W	1	...	b	...
	8th	10	29.911	29.926	78	70	55	N E	1	...	b	...
	16	16	29.795	29.810	86	77	64	N E	1	...	b	C, CS, K
	9th	10	29.903	29.918	79	74	77	N E	1	...	b	...
	16	16	29.780	29.795	88	82	76	N W	1	...	b	...
	10th	10	29.804	29.819	83	78	60	N E	1	...	...	CS
	16	16	29.778	29.793	85	71	47	N N E	3	...	g q	CS
	11th	10	29.911	29.926	80	69	54	N W	1	...	b	...
	16	16	29.786	29.801	86	68	35	N N E	1	...	b m	...

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 12th March 1870.HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.



**Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.**

CIRCUIT.	STATIONS.	Rain from 21st to 27th Feb. 1870.	Rain from 28th Feb. to 6th March 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
		Inch.	Inch.	Inch.		
SOUTH-WESTERN.	Poorce ...	Nil	Not received	Nil	27th Feb. 1870.	
	False Point ...	Not received	ditto	ditto	20th Feb. 1870.	
	Cuttack { Telegraph Office	Nil	Nil	1'00	6th March 1870.	
	{ Jail ...	ditto	ditto	1'05	ditto.	
	Sumbulpore ...	ditto	Not received	3'30	27th Feb. 1870.	
WESTERN.	Balasore ...	ditto	Nil	1'18	6th March 1870.	
	Midnapore ...	Nil	Nil	0'80	6th March 1870.	
	Bancoorah ...	ditto	ditto	0'35	ditto.	
	Chyebassa ...	Not received	Not received	1'50	20th Feb. 1870.	
	Parulia ...	Nil	Nil	1'22	6th March 1870.	
CENTRAL.	Burdwan ...	ditto	ditto	0'20	ditto.	
	Raneegunge ...	ditto	ditto	0'15	ditto.	
	Sooree ...	Not received	Not received	Nil	30th Jan. 1870.	
	Deoghur ...	Nil	Nil	0'40	6th March 1870.	
	Burhee ...	Not received	Not received	0'45	6th Feb. 1870.	Not received 3rd to 16th Jan.
NORTH-WESTERN.	Hazareebangh ...	Nil	Nil	0'28	6th March 1870.	Not received 14th to 20th Feb.
	Saugor Island ...	Nil	Nil	Nil	6th March 1870.	
	Contai ...	Not received	Not received	ditto	13th Jan. 1870.	
	Calcutta ...	Nil	Nil	0'77	6th March 1870.	
	Howrah ...	ditto	ditto	1'42	ditto.	
NORTHERN.	Hooghly { Jail	ditto	ditto	1'00	ditto.	
	{ College	Not received	Not received	.....	.....	
	Jessore ...	Nil	Nil	0'20	6th March 1870.	
	Kishnagur ...	ditto	ditto	0'16	ditto.	Not received 1st to 16th Jan.
	Ranaghat ...	ditto	ditto	Nil	ditto.	Not received 1st Jan. to 6th Feb.
NORTH-EASTERN.	Bongong ...	ditto	ditto	0'30	ditto.	Not received 1st to 9th Jan.
	Meharpore ...	ditto	ditto	Nil	ditto.	Not received 1st Jan. to 6th Feb.
	Chondangah ...	ditto	ditto	ditto	ditto.	Not received 1st Jan. to 6th Feb.
	Berhampore ...	ditto	Not received	ditto	27th Feb. 1870.	
	Furzedpore ...	ditto	Nil	ditto	6th March 1870.	Not received 7th to 13th Feb.
EASTERN.	Burrisaul ...	ditto	ditto	ditto	ditto.	
	Bhangulpore ...	Nil	Nil	0'50	6th March 1870.	Not received 24th to 30th Jan.
	Monghyr ...	ditto	ditto	0'16	ditto.	
	Patna ...	ditto	ditto	0'04	ditto.	
	Arrah ...	ditto	ditto	Nil	ditto.	
SOUTH-EASTERN.	Buxar ...	ditto	ditto	0'15	ditto.	
	Chuprah ...	ditto	ditto	Nil	ditto.	
	Chumparun ...	ditto	ditto	ditto	ditto.	Not received 3rd to 16th Jan.
	Benares ...	ditto	ditto	0'05	ditto.	
	Rampore Beaulah ...	Nil	Nil	Nil	6th March 1870.	
SOUTH.	Pubna ...	ditto	ditto	ditto	ditto.	
	Maldah ...	Not received	ditto	ditto	ditto.	Not received 21st to 27th Feb.
	Bograh ...	Nil	ditto	ditto	ditto.	Not received 1st to 9th Jan.
	Dinagopore ...	ditto	ditto	1'20	ditto.	Not received 14th to 20th Feb.
	Rungpore ...	Not received	ditto	Nil	ditto.	Not received 21st to 27th Feb.
SOUTH-EASTERN.	Julpigoree ...	Nil	Not received	ditto	27th Feb. 1870.	
	Buxa ...	Not received	ditto	.....	.....	
	Darjeeling ...	Nil	Nil	1'21	6th March 1870.	
	Gowalparah ...	Nil	Nil	0'15	6th March 1870.	
	Gowhatty ...	ditto	Not received	0'30	27th Feb. 1870.	
SOUTH-EASTERN.	Shillong ...	ditto	ditto	Nil	ditto.	
	Nowgong ...	ditto	ditto	0'70	ditto.	Not received 1st Jan. to 13th Feb.
	Tezporo ...	ditto	ditto	1'15	ditto.	
	Dholebagaun ...	ditto	ditto	1'50	ditto.	
	Sebsaugor ...	ditto	ditto	1'30	ditto.	
SOUTH-EASTERN.	Debrooghur ...	ditto	ditto	8'55	ditto.	Not received 1st to 9th Jan.
	Samoogoodting ...	ditto	ditto	0'25	ditto.	Not received 1st and 2nd Jan.
	Cherra Poonjee ...	ditto	ditto	.....	.....	
	Dacca ...	Nil	Nil	Nil	6th March 1870.	Not received 10th to 16th Jan. and 14th to 20th Feb.
	Mymensing ...	ditto	ditto	0'05	ditto.	
SOUTH-EASTERN.	Sylhet ...	Not received	Not received	0'80	20th Feb. 1870.	
	Cachar ...	Nil	ditto	0'90	27th Feb. 1870.	
	Aenakhall Hyiakandy ...	ditto	ditto	0'83	ditto.	
	Tipperah ...	ditto	Nil	0'10	6th March 1870.	
	Noakhally ...	ditto	ditto	Nil	ditto.	
SOUTH-EASTERN.	Chitta { Telegraph Office	ditto	0'10	0'10	ditto.	
	{ Jail ...	0'13	Nil	0'13	ditto.	
	Rangamatea Hill ...	1'00	Not received	1'00	27th Feb. 1870.	
	Akyab ...	Nil	Nil	Nil	6th March 1870.	

Calcutta,  
The 12th March 1870.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

**Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,  
FOR THE MONTH OF DECEMBER 1869.**

*N. B.—The Barometric data are reduced for temperature, and not for height above sea level.*

STATIONS.				BAROMETER.				THERMOMETER.										HUMIDITY.				RAIN.								
Height above sea level.				MEAN OF				Range.	Mean.	SOLAR RADIATION.				Mean of max.	Mean daily range.	Mean of min.	MEAN OF				Highest Max.	Mean monthly range.	Lowest Min.				In inches.	No. of days.		
				Mean.	4 hours.					10 hours.	16 hours.	22 hours.	Day.				Max.	Day.	Min.	Day.			4 hours.	10 hours.	16 hours.	22 hours.				
Fl.	218	29.680	...	29.733	29.638	...	105	147.3	28th	156.0	10th	137.0	...	...	73.4	81.1	...	80.9	81.3	...	...	...	18th	65.0	...	74	...	4.29	9	
Port Blair	29	29.919	...	29.921	29.886	...	107	...	...	...	...	...	...	...	61.6	72.7	67.7	72.6	79.1	71.5	...	...	...	18th	56.3	...	81	68	3.50	10
Madras	16	29.969	29.945	30.026	29.919	29.985	105	...	...	...	...	...	...	...	...	70.2	68.3	67.7	70.3	71.9	...	...	...	8th	55.7	...	76	63	0.06	1
Ayab	187	30.054	30.043	30.068	30.018	30.058	180	...	...	...	...	...	...	...	...	61.8	70.1	69.5	72.7	67.4	...	...	...	8th	55.7	...	81	72	ditto	...
False Point	80	29.971	29.953	30.035	29.908	29.988	137	...	...	...	...	...	...	...	...	59.5	69.7	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Cuttack	6	30.013	29.957	30.078	29.958	30.031	122	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Saugor Island	108	29.887	29.894	29.940	29.840	29.915	100	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Chittagong	18.11	29.893	29.939	30.059	29.940	30.008	129	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Calcutta	15	29.977	29.956	30.039	29.919	29.994	120	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Jessore	35	29.971	29.949	30.037	29.917	29.964	120	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Dacca	73	29.944	29.925	30.005	29.890	29.969	115	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Cachar	2,014	27.959	27.933	28.011	27.918	27.977	193	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Hararelaugh	80	29.928	29.908	29.998	29.869	29.939	129	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Berhampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Gya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Patna	171	29.845	29.816	29.913	29.797	29.856	116	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Monghyr	150	29.857	29.840	29.925	29.797	29.868	128	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Darjeeling	6,952	23.382	23.364	23.410	23.361	23.394	109	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Gawalparah	386	29.977	29.962	29.982	29.943	29.963	120	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Shillong	4,835	25.283	25.257	25.322	25.265	25.298	107	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Benzes*	260	29.798	29.780	29.838	29.757	29.798	101	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...
Boortkee	880	Return not received.	...	...	...	...	...	...	...	...	...	...	...	...	...	58.3	68.9	68.2	71.6	68.4	...	...	...	28th	52.8	...	75	59	ditto	...

\* No correction for index error has been applied to the Benares barometric readings.

**CALCUTTA.**

Mean barometric pressure of 16 years	30.029	Mean temperature of 16 years	67.3	Mean humidity of 16 years	73	Mean rainfall of 16 years	...	...	...
ditto ditto of 1869	29.986	ditto ditto of 1869	68.7	ditto ditto of 1869	67	Actual fall of 1869	...	...	...
Defect in 1869	...	Excess in 1869	...	Defect in 1869	...	Defect in 1869	...	...	...

CALCUTTA,

*The 11th March 1870.*

HENRY F. BLANFORD,

*Meteorological Reporter to the Govt. of Bengal.*



*Mean Pressures and Temperatures of the preceding Table reduced to sea level, with mean Wind directions.*

STATIONS.	Mean Barometric pressure reduced to sea level.	Mean Temperature reduced to sea level.	Proportional prevalence Max=62.	Mean direction.
Port Blair	29.904	77.9	42	N 47° E
Madras	29.949	79.7	49	N 23° E
Akyab	29.985	72.7	16	N 20° E
False Point	30.074	71.2	40	N 39° E
Cuttack	30.065	70.3	31	N 4° E
Saugor Island	30.019	69.7	37	N 30° E
Chittagong	30.011	69.2	44	N 22° W
Calcutta	30.015	68.7	40	N 34° W
Jessore	29.993	64.8	49	N
Dacca	30.008	67.7	24	N 45° W
Cachar	30.022	65.6	53	S 56° E
Hazareebaugh	30.025	67.1	33	N 66° W
Behampore	30.013	67.8	44	N 22° W
Gya	30.027	62.3	31	N 75° W
Patna	30.016	64.3	29	N 71° W
Monghyr	30.016	64.3	29	S 66° W
Darjeeling	30.022	64.6	13	S 13° E
Gowalparah	30.011	65.7	41	S 89° E
Shillong	30.067	65.6	7	N 30° E
Benares	30.075	61.2	8	N 21° W
Roorkee	...	...	...	...

#### NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above Table for all stations below 500 feet are reduced from those given in column 3 of the Table on the previous page by adding the weight of a column of air of the temperature given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's Table as given in Guyot's Meteorological and Physical "Tables."

*Temperature.*—The temperatures in column 3 are deduced from those in column 17, on the preceding page, by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the month, an equal value (2) being assigned to each day's observations, so that the maximum (exclusive prevalence of one wind) would be 62. The mean direction is calculated in the usual way by the sines and cosines of the compass points.

The above being all comparable, afford the data for constructing a meteorological chart for the month, which shall shew the isobaric and isothermal lines, and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous Tables.

HENRY F. BLANFORD,

*Meteorological Reporter to the Government of Bengal.*

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th March 1870.**

MONTH.	Date	Mean reduced Barometer. Inches.	THERMOMETER.		Max. Solar radiation, Thermometer.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean Degree of Humidity.	WIND.			Rain. Inches.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
March...	8th	29.848	90.0	72.3	124.5	80.6	68.6	60.3	0.52	W by S, SSW & NW	...	150.5	...	Clear & cirri.
	9th	849	89.5	69.4	123.7	79.1	66.8	58.2	.51	WNW, W by N & W by S	...	118.0	...	Clear & thin cirri. Slightly foggy at 8 & 9 P.M.
	10th	831	92.0	68.0	125.0	79.2	67.7	59.6	.53	S by W, SSW & WSW	...	138.0	...	Clear & scattered cirri.
	11th	815	91.8	70.0	126.4	80.0	68.6	60.8	.53	SSW & W by S	...	125.3	...	Clear and cirri. Slightly foggy at 8 & 9 P.M.
	12th	813	85.5	72.6	120.0	77.8	70.5	65.5	.68	SW & SSW	2.4	144.7	0.03	Overcast & clouds of different kinds. Brisk wind between 3 & 4 P.M. Lightning to SSE at 7 P.M. Light rain at 7 1/2 A.M. & at 2.3, 6, & 8 P.M.
	13th	792	90.0	67.5	125.5	76.2	68.0	62.3	.64	SW, SSW & S by W	6.4	...	...	Cirri & clouds of different kinds. High wind between 5 & 6 P.M. Thunder, lightning & light rain at 5 1/2 & 9 P.M.
	14th	777	91.2	70.0	128.7	79.7	71.3	65.4	.63	S, SW & W	0.8	397.0*	...	Chiefly clear.

\* 2 days' velocity.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 1/2 feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	24.5
The max. temperature during the past seven days	...	92.0
The max. temperature during the corresponding period of the past year	...	89.8
The mean humidity during the past seven days	...	0.58
The mean humidity during the corresponding period of the past year	...	0.76
		Inches.
The total fall of rain from 8th to 14th ...	{ by lower rain gauge	0.03
	{ by Anemometer gauge	Nil
Ditto ditto, average of sixteen previous years	...	0.17
Ditto between the 1st January and the 14th current	...	0.80
Ditto ditto ditto, average of 16 years...	...	2.03

RADHANATH SEN,

*In temporary charge of the Observatory.*

*The 15th March 1870.*



No. 12

of 1870



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 23, 1870.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

### Half-yearly Statement of the Mofussil Police Superannuation Fund, from April to September 1869.

	RECEIPTS.			CHARGES.			Balance on the 30th September 1869.
	Deductions from pay abstract and other receipts.	Interest on treasury notes of this fund.	Total.	Refunds.	Pensions and gratuities.	Total.	
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
Balance on the 31st March 1869 ...	.....	.....	504,973 6 7	.....	.....	.....	
Add interest on net balance on the 31st March 1868 ...	.....	.....	15,012 13 6	.....	.....	.....	
April 1869 ...	8,727 11 3	645 0 0	9,372 11 3	..... {	G. 42 0 0 P. 67 3 6	109 3 6	
" " ...	8,157 9 10	385 0 0	8,542 9 10	..... {	G. 113 0 0 P. 8 12 6	126 12 6	
June " ...	8,141 12 11	326 0 0	8,466 12 11	123 9 0 {	P. 91 12 0 G. 40 0 0	255 5 0	
July " ...	7,922 14 4	272 8 0	8,195 0 4	31 9 6 {	P. 15 12 0 G. 224 0 0 C. 3 8 0	277 13 6	
August " ...	8,442 7 8	287 8 0	8,729 15 8	0 2 6 {	P. 104 8 6 G. 140 0 0	244 11 0	
September " ...	8,226 13 11	342 8 0	8,571 5 11	2 2 0	41 14 10	44 0 10	
Total ...	49,621 5 11	2,257 8 0	5,71,865 2 0	160 7 0	897 7 4	1,057 14 4	5,70,807 3 8

FORT WILLIAM,  
The 2nd March 1870. }

R. TAYLOR,  
Deputy Accountant-General, Bengal.

A

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY MAIN LINE.

Approximate Return of Traffic for Week ended 6th March 1870 on 1,131 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Traffic Receipts.					
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.									
		Rs. As. P.	£. s. d.		Mds. Srs.	Rs. As. P.	£. s. d.							
Total Traffic for the week ... ..	1,03,128	1,70,545	3 0	35,633	6 2	7,63,256	0	3,92,075	0 9	35,940	4 3	51,575	10 6	
Or per mile of Railway ... ..		150	12 8	13	16 5			346	10 7		31	15 7	45	12 0
For previous 8 weeks of half-year...	9,95,583	18,88,220	6 11	1,73,086	17 7	57,42,419	10	34,60,223	0 0	3,17,187	2 10	4,30,274	0 5	
Total for 9 weeks ... ..	10,98,711	20,59,765	9 11	1,88,720	3 9	65,05,675	10	38,52,298	6 4	3,63,127	7 1	5,43,847	10 10	
COMPARISON.														
Total for corresponding week of previous year ... ..	1,06,635	1,84,536	1 0	16,915	16 2	8,36,454	20	4,68,490	0 8	42,944	19 5	59,500	13 7	
Per mile of Railway corresponding week of previous year ... ..		163	2 7	14	19 2			414	3 8		37	19 5	52	18 7
Total to corresponding date of previous year ... ..	9,52,368	16,04,894	0 7	1,47,115	5 9	70,07,966	30	39,16,488	0 3	3,59,011	7 11	5,06,126	13 8	

## EAST INDIAN RAILWAY JUBBULPORE LINE.

Approximate Return of Traffic for Week ended 6th March 1870 on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	3,058	12,431 5 5	1,139 10 10	45,986 10	12,088 8 0	1,163 2 3	2,362 13 1
Or per mile of Railway ...	.....	55 11 11	5 2 2	.....	56 14 5	5 4 4	10 6 6
For previous 8 weeks of half-year...	51,092	1,74,015 7 10	15,051 8 5	3,80,868 30	97,040 14 3	8,895 8 3	24,846 16 8
Total for 9 weeks ...	54,150	1,86,446 13 3	17,090 10 3	4,26,855 0	1,06,729 6 3	10,058 10 6	27,149 9 9
COMPARISON.							
Total for corresponding week of previous year ...	2,886	7,975 3 7	731 1 3	43,621 0	12,239 6 5	1,121 18 11	1,855 6 2
Per mile of Railway corresponding week of previous year ...	.....	35 12 3	3 5 7	.....	54 14 2	5 0 7	8 6 2
Total to corresponding date of previous year ...	35,202	1,14,057 7 2	10,455 5 4	5,03,354 30	1,42,235 10 8	13,698 5 4	23,498 10 5

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for Week ended 5th March 1870 on 113½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	25,275	15,097 1 3	1,382 18 0	1,00,302 0	20,049 13 11	1,920 8 1	3,301 6 1
Or per mile of Railway ...	223	133 4 11	12 4 5	885 27	184 15 9	16 10 2	29 3 7
For previous 9 weeks of half-year...	2,26,680	1,53,091 14 3	14,033 8 5	8,54,681 0	1,27,783 8 3	11,713 9 2	25,746 17 8
Total for 10 weeks ...	2,51,955	1,68,188 15 6	15,417 6 5	9,34,983 0	1,48,733 1 2	13,633 17 4	29,051 3 9
COMPARISON.							
Total for corresponding week of previous year ...	29,228	17,544 8 7	1,608 5 0	1,18,403 6	21,672 14 3	1,986 15 5	3,595 6 5
Per mile of Railway corresponding week of previous year ...	258	154 14 8	14 4 0	1,045 20	191 6 1	17 10 10	31 14 10
Total to corresponding date of previous year ...	2,45,479	1,60,537 13 7	14,688 9 4	9,88,053 39	1,76,591 0 7	16,187 10 3	26,875 19 7

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for Week ended 5th March 1870 on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. S.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	6,022	1,201 3 3	110 2 2	12,038 14	409 0 6	42 19 11	153 2 1
Or per mile of Railway ...	215	42 14 5	3 18 8	462 0	16 11 8	1 10 8	5 9 3
For previous 9 weeks of half-year...	45,468	8,308 10 0	761 12 5	1,17,333 6	4,800 2 3	440 0 5	1,261 12 10
Total for 10 weeks ...	51,491	9,509 13 3	871 14 7	1,30,371 20	5,209 2 9	483 0 4	1,354 14 11
COMPARISON.							
Total for corresponding week of previous year ...	6,292	1,316 0 9	120 15 9	23,584 1	1,072 0 6	98 5 5	218 18 2
Per mile of Railway corresponding week of previous year ...	225	47 0 0	4 6 2	914 0	38 4 7	3 10 2	7 16 4
Total to corresponding date of previous year ...	52,479	10,995 10 12	1,008 0 8	1,38,137 22	5,877 4 3	538 14 11	1,540 15 1



## Meteorological Telegraphic Report for the period 12th to 18th March 1870.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Weather initials.	CLOUDS.
					Dry.	Wet.		Direction.	Velocity.			
	Mar.		Inches.		⊖	⊖				Inches.		
CALCUTTA.	12th	10	29.861	29.882	81.6	72.0	59	S W	...	...	...	CS
	12th	16	29.830	29.848	81.5	67.0	43	N W	...	...	...	KS
	13th	10	29.882	29.900	80.0	69.9	58	S W	...	0.03	...	C
	14th	10	29.705	29.723	87.8	72.5	44	S by W	...	...	...	N, CK
	14th	16	29.851	29.869	82.0	72.5	61	W by N	...	...	b	...
	15th	10	29.704	29.722	91.2	73.0	39	W N N	...	...	...	K
	15th	16	29.854	29.872	85.0	77.8	71	S W	...	...	b	...
	16th	10	29.697	29.715	90.3	74.8	46	W by S	...	...	...	K
SAIGON ISLAND.	12th	10	29.844	29.863	83.6	77.0	73	S S W	...	...	...	C
	12th	16	29.713	29.731	93.0	71.8	32	W by N	...	...	...	C
	17th	10	29.872	29.890	82.6	78.4	80	S S W	...	...	...	S
	17th	16	29.794	29.812	86.5	78.5	63	S S E	...	...	o	...
	18th	10	30.035	30.054	70.2	67.0	81	W by S	...	...	o, d	...
	18th	16	29.918	29.936	76.8	68.5	62	W by S	...	...	o, d	...
	12th	10	29.894	29.900	84	75	64	N W	1	...	b m	C, CK, S
	12th	16	29.824	29.830	80	71	62	N	3	...	u g	CN
CHITTAGONG.	13th	10	29.920	29.926	80	73	70	W	3	0.20	b v	K
	14th	10	29.742	29.748	82	75	70	W S W	2	...	b	J, CK
	14th	16	29.875	29.881	82	78	82	W S W	2	...	b	C
	15th	10	29.797	29.743	83	79	83	S W	2	...	m	CK
	15th	16	29.886	29.892	83	79	83	W	1	...	b	C
	16th	10	29.751	29.757	83	79	83	S	2	...	b	KS
	16th	16	29.856	29.862	83	79	83	W S W	3	...	b	K
	17th	10	29.735	29.741	83	79	83	S W	3	...	b m	C, CK
MADRAS.	12th	10	29.895	29.901	87	77	61	S S W	4.1*	...	b	K
	12th	16	29.681	29.791	85	79	75	S S W	8.4*	...	u	KS
	13th	10	29.703	29.905	80	72	66	S W	4.2*	...	d, f, g, l	KS
	14th	10	29.681	29.761	85	76	64	S W	11.5*	...	b	K, KS
	14th	16	29.787	29.897	86	75	57	S	7.4*	...	b, d, f, l, g	K
	15th	10	29.670	29.781	85	75	60	W	12.5*	...	b, f, u	K, KS
	15th	16	29.792	29.902	86	76	61	N	5.6*	...	b	C
	16th	10	29.656	29.766	85	75	60	W S W	9.2*	...	b	C
CUTTACK.	12th	10	29.782	29.893	85	76	64	S W	4.5*	...	b	K, KS
	12th	16	29.658	29.768	82	76	74	W S W	16.2*	...	...	K, KS
	17th	10	29.818	29.928	86	76	61	S W	6.8*	...	b	K, KS
	17th	16	29.740	29.851	81	75	74	S, S W	1.3*	...	...	K, KS
	12th	10	29.931	29.961	84	73	56	S by E	5*	...	b	C
	12th	16	29.797	29.827	84	75	64	S E	11*	...	b	C, CS
	13th	10	29.904	29.934	87	80	72	S S E	8*	...	b	N, KS
	14th	10	29.777	29.807	85	75	60	S E	12*	...	b a	C, KS
AKYAB.	12th	10	29.864	29.894	84	74	60	S	12*	...	b	C, KS
	12th	16	29.743	29.773	84	76	67	S E by E	15*	...	b	C, CS, CK
	15th	10	29.878	29.908	85	75	60	S by W	10*	...	b e	CS, CK
	15th	16	29.741	29.771	84	77	71	S E	13*	...	b	C
	16th	10	29.891	29.921	85	75	60	S	12*	...	b c	C, CK
	16th	16	29.770	29.800	83	77	75	S E	15*	...	b c	C, S
	17th	10	29.920	29.950	86	75	67	S	16*	...	b c	KS, N
	17th	16	29.803	29.833	84	75	64	S E by E	15*	...	b c	KS
CALCUTTA.	12th	10	29.853	29.885	84	71	50	N W	10.1*	...	m	C
	12th	16	29.770	29.832	89	69	39	N	10.1*	...	m	C, CS
	13th	10	29.906	29.929	77	71	73	W by S	19.7*	...	r, f, l, l, r	N, KS
	14th	10	29.734	29.816	83	74	63	S by W	12.9*	0.60	d, f, l, m	C, KS
	14th	16	29.823	29.906	80	75	78	W	6.9*	...	b m	C, KS
	15th	10	29.670	29.752	87	77	61	N W	11.6*	...	m	C, CS
	15th	16	29.828	29.911	82	77	78	S by E	8.7*	...	m	C, CS, CK
	16th	10	29.661	29.743	88	78	62	S by E	14.9*	...	f m	CS, CK
CALCUTTA.	12th	10	29.804	29.886	84	78	75	S	7.5*	...	m	C
	12th	16	29.643	29.724	90	79	59	S by E	12.8*	...	m	C, CK
	17th	10	29.844	29.926	84	72	53	W	6.1*	...	m	C, S
	17th	16	29.774	29.856	83	72	56	N W	22.0*	...	o, u, d	KS, N
	18th	10	29.967	30.051	74	66	63	W	17.9*	...	ou	KS
	18th	16	29.871	29.954	80	68	51	N by W	10.5*	...	u	CS, KS
	12th	10	29.891	29.906	80	76	58	N E	1	...	b	...
	12th	16	29.853	29.848	83	76	71	N E by N	1	...	b	...
CALCUTTA.	13th	10	29.890	29.905	84	70	46	N W	1	...	b	CS
	13th	16	29.786	29.801	84	72	53	N W	1	...	b	C, CS
	14th	10	29.946	29.961	78	71	69	N E	1	...	b m	CS, N
	14th	16	29.782	29.797	84	73	56	N E	1	...	b	C, CS
	15th	10	29.911	29.926	80	72	60	N E	1	...	b	...
	15th	16	29.823	29.838	87	80	72	N W	1	...	b	C, CS, K
	16th	10	29.909	29.924	77	72	77	N E	1	...	b	...
	17th	10	29.803	29.818	82	76	71	N W	2	...	b	...
CALCUTTA.	17th	16	29.975	29.999	82	74	66	Calm	...	...	b	...
	18th	10	29.915	29.930	82	75	70	N W	1	...	o	C, CS
CALCUTTA.	18th	10	29.999	30.014	77	74	86	N E	1	1.16	b	C, K, CK

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 19th March 1870.HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

CIRCUIT.	STATIONS.	Rain from 28th Feb. to 6th Mar. 1870.	Rain from 7th to 18th March 1870.	RAIN FROM 1ST JANUARY 1870.		REMARKS.
				Rain.	Up to date.	
		Inch.	Inch.	Inch.		
SOUTH-WESTERN.	Pooree ...	Nil	Not received	Nil	6th March 1870.	
	False Point ...	ditto	ditto	ditto	ditto.	
	Cuttack { Telegraph Office	ditto	0.60	1.60	13th March 1870.	
	{ Jail	ditto	0.65	1.70	ditto.	
	Sumbulpore ...	ditto	Not received	3.30	6th March 1870.	
WESTERN.	Balasore ...	ditto	0.12	1.30	13th March 1870.	
	Midnapore ...	Nil	Not received	0.90	6th March 1870.	
	Bancoorah ...	ditto	Nil	0.35	13th March 1870.	
	Chyabassa ...	ditto	0.10	1.60	ditto	Not received 21st to 27th Feb.
	Purulia ...	ditto	0.14	1.36	ditto.	
CENTRAL.	Burdwan ...	ditto	Nil	0.20	ditto.	
	Raneegunge ...	ditto	ditto	0.15	ditto.	
	Sooree ...	Not received	Not received	Nil	30th Jan. 1870.	
	Deoghur ...	Nil	ditto	0.40	6th March 1870.	
	Burhee ...	Not received	0.10	0.55	13th March 1870	Not received 3rd to 16th Jan. and 7th Feb. to 6th Mar. Not received 14th to 20th Feb.
	Hazareebaugh ...	Nil	Nil	0.28	ditto	
	Saugor Island ...	Nil	0.20	0.20	13th March 1870.	
	Coatal ...	Not received	Not received	Nil	13th Jan. 1870.	
	Calcutta ...	Nil	0.03	0.80	13th March 1870.	
	Howrah ...	ditto	Nil	1.42	ditto.	
	Hooghly { Jail	ditto	0.10	1.10	ditto.	
	{ College	Not received	Not received	.....	.....	
	Jessore ...	Nil	0.04	0.24	13th March 1870.	
	Kishnagur ...	ditto	Not received	0.16	6th March 1870	Not received 1st to 16th Jan. Not received 1st Jan. to 6th Feb.
	Ranghat ...	ditto	ditto	Nil	ditto	
	Bongong ...	ditto	ditto	0.30	ditto	Not received 1st to 9th Jan.
	Meharpore ...	ditto	ditto	Nil	ditto	Not received 1st Jan. to 6th Feb.
	Choadangah ...	ditto	ditto	ditto	ditto	Not received 1st Jan. to 6th Feb.
	Berhampore ...	Not received	ditto	ditto	27th Feb. 1870.	
	Furzedpore ...	Nil	Nil	ditto	13th March 1870	Not received 7th to 13th Feb
	Burrisaul ...	ditto	ditto	ditto	ditto.	
	Bhaugulpore ...	Nil	Nil	0.50	13th March 1870	Not received 24th to 30th Jan.
	Monghyr ...	ditto	ditto	0.16	ditto.	
	Patna ...	ditto	ditto	0.04	ditto.	
	Arrah ...	ditto	ditto	Nil	ditto.	
NORTH-WESTERN.	Buxar ...	ditto	ditto	0.15	ditto.	
	Chuprah ...	ditto	ditto	Nil	ditto.	
	Chumparun ...	ditto	Not received	ditto	6th March 1870	Not received 3rd to 16th Jan.
	Benares ...	ditto	Nil	0.05	13th March 1870.	
	Rampore Beaulah ...	Nil	Nil	Nil	13th March 1870.	
	Pubna ...	ditto	0.02	0.02	ditto.	
	Maldah ...	ditto	Nil	Nil	ditto	Not received 21st to 27th Feb.
	Bograh ...	ditto	ditto	ditto	ditto	Not received 1st to 6th Jan.
	Dinapore ...	ditto	ditto	1.20	ditto	Not received 14th to 20th Feb.
	Rungpore ...	ditto	Not received	Nil	6th March 1870	Not received 21st to 27th Feb.
	Julpigoree ...	Not received	Nil	ditto	13th March 1870	Not received 28th Feb. to 6th March.
	Buxa ...	ditto	Not received	.....	.....	
	Darjeeling ...	Nil	0.62	1.83	13th March 1870.	
	Gowalparah ...	Nil	Not received	0.15	6th March 1870	
	Gowhatty ...	0.40	ditto	0.70	ditto.	
	Shillong ...	0.30	ditto	0.30	ditto.	
	Nowgong ...	Nil	ditto	0.70	ditto	Not received 1st Jan. to 13th Feb.
	Tezapore ...	0.20	ditto	1.35	ditto.	
	Dholebagan ...	Not received	ditto	1.50	27th Feb. 1870.	
	Sebsaugor ...	0.10	ditto	1.40	6th March 1870.	
	Debrooghur ...	0.50	ditto	9.05	ditto	Not received 1st to 9th Jan.
	Samoooodting ...	Not received	ditto	0.25	27th Feb. 1870	Not received 1st and 2nd Jan.
	Cherra Poonjee ...	ditto	ditto	.....	.....	
	Dacca ...	Nil	Nil	Nil	13th March 1870	Not received 10th to 16th Jan. and 14th to 20th Feb.
	Mymensing ...	ditto	0.02	0.07	ditto.	
	Sylhet ...	Not received	Not received	0.80	27th Feb. 1870.	
	Cacher ...	Nil	ditto	0.90	6th March 1870.	
	Aemakhall Hylakandy ...	ditto	ditto	0.83	ditto.	
	Tipperah ...	ditto	ditto	0.10	ditto.	
	Noakhally ...	ditto	ditto	Nil	ditto.	
	Chitta { Telegraph Office	0.10	Nil	0.10	13th March 1870.	
	{ Jail	Nil	Not received	0.13	6th March 1870.	
	Rangamatea Hill ...	ditto	ditto	1.00	ditto.	
SOUTH-EASTERN.	Akyab ...	Nil	Nil	Nil	13th March 1870.	

CALCUTTA,  
The 19th March 1870.HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.



## Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th March 1870.

MONTH.	Date.	Mean reduced Barometer.	THERMOMETER.		Max. Solar radiation.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean degree of humidity.	WIND.			Rain.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°	°		lb	Miles.	Inches	
March...	1st	29.933	89.0	63.0	125.8	76.2	66.9	60.4	0.60	S S W & W S W	...	101.7	...	Clear. Foggy at 6 A.M.
	2nd	849	92.7	68.7	128.5	79.0	69.7	63.2	.60	S S W	...	170.6	...	Clear. Slightly foggy at 6 A.M.
	3rd	831	93.0	68.2	127.2	79.3	66.6	57.7	.49	S S W & W N W	...	169.0	...	Clear & cirri.
	4th	879	91.5	63.0	129.0	79.6	67.0	58.2	.50	W by N & S by W	...	121.0	...	Clear & cirri.
	5th	867	92.4	70.6	129.0	80.0	70.1	63.2	.58	S W & S S W	...	96.0	...	Clear. Foggy from 2 to 7 A.M.
	6th	877	91.7	69.5	124.0	79.5	71.2	65.4	.63	W by S, W S W & S E W	...	92.6	...	Clear & cirri. Slightly foggy from 5 to 7 A.M.
	7th	850	93.0	70.5	127.5	81.2	71.4	64.5	.58	S W, S S W & W S W	...	117.9	...	Clear & cirri.

The mean Barometer as likewise the Dry and Wet bulb Thermometer means are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is  $1\frac{1}{2}$  feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	°	30.0
The max. temperature during the past seven days	...	°	93.0
The max. temperature during the corresponding period of the past year	...	°	89.5
The mean humidity during the past seven days	...	°	0.57
The mean humidity during the corresponding period of the past year	...	°	0.77
			Inches.
The total fall of rain from 1st to 7th	{ by lower rain gauge	..	Nil
	{ by Anemometer gauge	..	Nil
Ditto ditto, average of 16 previous years	..	..	0.51
Ditto ditto between the 1st January and the 7th current	..	..	0.77
Ditto ditto ditto, average of 16 years...	..	..	1.86

RADHANATH SEN,

*In temporary charge of the Observatory.*

*The 8th March 1870.*

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 15th to 21st March 1870.**

MONTH.	Date.	Mean reduced Barometer.	THERMOMETER.		Max. Solar radiation.	Mean Dry Bulb.	Mean Wet Bulb.	Computed Mean Dew-point.	Mean Degree of Humidity.	WIND.			Rain.	GENERAL REMARKS.
			Highest Reading.	Lowest Reading.						Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			lb	Miles.	Inches	
March...	15th	29.779	90.4	76.0	131.4	82.1	76.0	71.7	0.72	S by W, S S W & S W	...	121.0	...	Scuds, clear & cumuli.
	16th	765	93.0	74.5	130.6	82.3	74.9	69.7	.67	S S W	...	186.3	...	Clear & cirri.
	17th	826	87.2	77.2	124.5	81.3	75.8	71.9	.74	S S W & S by E	2.4	160.3	...	Stratoni & overcast. Brisk wind from S $\frac{1}{2}$ to 10 P.M.
	18th	943	77.7	70.0	114.0	73.5	67.5	63.3	.72	W & W by S	...	192.4	...	Overcast & cirro-cumuli. Drizzled at 7, 9, & 10 A.M. & 4 P.M.
	19th	905	88.0	70.0	122.5	78.3	69.7	63.7	.62	S & W by S	...	100.5	...	Clear, cumuli & cirri.
	20th	894	90.0	71.5	128.8	80.7	71.2	64.5	.59	S & W by S	...	75.5	...	Cirri & clear.
	21st	906	92.3	74.0	131.0	82.9	72.0	64.4	.55	W & S	...	115.0	...	Cirri & clear.

The mean Barometer, as likewise the Dry and Wet Bulb Thermometer means, are derived from the twenty-four hourly observations made during the day.

The Dew-point is computed with the Greenwich constants.—The figures in column ten represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 $\frac{1}{4}$  feet, and that of the Anemometer 70 feet 10 inches above the level of the ground.—The velocity of wind, as indicated by Robinson's Anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	23.0
The max. temperature during the past seven days	...	93.0
The max. temperature during the corresponding period of the past year	...	93.4
The mean humidity during the past seven days	...	0.66
The mean humidity during the corresponding period of the past year	...	0.64
		Inches.
The total fall of rain from 15th to 21st ...	{ by lower rain gauge	Nil
	{ by Anemometer gauge	Nil
Ditto ditto, average of sixteen previous years	...	0.18
Ditto between the 1st January and the 21st current	...	0.80
Ditto ditto ditto, average of 16 years...	...	2.21

The 22nd March 1870.

GOPEENATH SEN,  
In charge of the Observatory.





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 30, 1870.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

### Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 19th March 1870.*

#### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *Presiding.*

J. GRAHAM, Esq., *Acting Advocate-General*,  
THE HON'BLE ASHLEY EDEN,  
A. MONEY, Esq., C.B.,  
A. R. THOMPSON, Esq.,  
V. H. SCHALCH, Esq.,  
BABOO ISSUR CHUNDER GHOSAL,

BABOO CHUNDER MOHUN CHATTERJEE,  
T. M. ROBINSON, Esq.,  
F. F. WYMAN, Esq.,  
AND  
BABOO JOTEENDRO MOHUN TAGORE.

#### NEW MEMBER.

MR. GRAHAM took the oath of allegiance and the oath that he would faithfully fulfil the duties of his office.

#### CALCUTTA PORT IMPROVEMENT.

THE HON'BLE ASHLEY EDEN moved that the report of the select committee on the Bill to provide for the maintenance and improvement of the Port of Calcutta be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses be considered for settlement in the form recommended by the select committee. He said that before going into the discussion of the Bill, clause by clause, he proposed briefly to run through the Bill, and draw the attention of the council to the principal amendments made by the committee, and give the reasons on which those amendments were based.

As regards the title of the Bill, he would observe that it had been altered so as to accord more nearly with the scope and object of the Bill, the original title being considered too wide in its terms. But he would not go into that point then, as the matter would be brought prominently under consideration when they proceeded to consider the clauses of the Bill.

The first important amendment was in the number of the commissioners to be appointed under Section 2. There seemed to be a strong desire to have seven commissioners independently of the chairman and the vice-chairman: therefore as the Bill stood it provided for the appointment of nine persons, of whom one should be the chairman and another the vice-chairman. The committee had also limited the tenure of office of the commissioners to two years, making them eligible for re-appointment: it seemed expedient that there should be some period fixed at the expiration of which the appointment should lapse.

As regards Section 7, which provided for a specification of the amount of debt at present due from the commissioners to the Secretary of State for India, the select committee had been obliged to leave the schedule untouched, as they were not in a position to fix the exact sum which would be due on account of the works to be taken over by the commissioners. There

seemed to be some doubt as to what the section really meant, and he would therefore explain that the sum referred to was simply the actual cost of the jetties erected under the present Port Improvement Act, and did not refer to any moorings or other works belonging to the port fund.

The committee had introduced a new section, 9, enabling the commissioners to anticipate the payments due to the Secretary of State under the provisions of Schedule B.

From Section 27 the committee had struck out the provision which made the proceedings of the commissioners open to the inspection of the public on payment of a fee of eight annas: it seemed very undesirable to put it into the power of every body to call and make an inspection of the minutes of the commissioners' proceedings, which might lead to great mischief, and a good deal of intriguing and jobbery by contractors and others. If the accounts were published there was no reason whatever for making the commissioners' proceedings public.

The committee had also struck out Section 37 of the original Bill, which compelled the commissioners to record resolutions made by the Lieutenant-Governor, and to adopt such resolutions as their own. The Lieutenant-Governor had already the power of vetoing any resolution of the commissioners under a previous section, and it seemed anomalous to give him the further power of passing an order against the opinion of the commissioners, and that they should then be compelled to adopt the resolution as their own.

The old Sections 38 to 41 had been consolidated into the present Section 35, which provided that no new work should be commenced by the commissioners until a plan and estimate of such work shall have been submitted to the Lieutenant-Governor and sanctioned by him, the further sanction of the Governor General of India in Council being required if the estimated cost of the work exceeded two lakhs of rupees. The section was a new and short one, and the procedure under it was a great deal simpler than under the sections for which it was substituted.

Section 34 of the original Bill, relating to the mode of executing contracts, had also been struck out as unnecessary.

The new Section 39 might, perhaps, cause a misunderstanding if its purport was not explained: it enabled the commissioners to provide steam-tugs and to employ them in towing vessels in the river. It was not intended that the commissioners should start tug vessels in competition with private companies, but it seemed certain that the commissioners must keep tug steamers for their own works, and it would be very unreasonable if the commissioners should not be at liberty, when they had no employment for their steamers, to use them in any remunerative way. The primary object would be the employment of the steamers in connection with the working of the jetties; when not able to employ them in that way, it was only right that they should be able to make a profit from them instead of leaving them idle.

The committee had struck out the proviso to Section 42 of the original Bill as to the total amount of money to be raised by the commissioners. It seemed an anomalous provision in a Bill like the present. It would be absolutely necessary to obtain whatever money was really required for the sanctioned works, and as the money would practically have to be given by the Government, and the entire control would be in the hands of the Government, it seemed unnecessary to limit the amount to be raised.

From Section 51, the select committee had omitted the provision which was contained in Section 53 of the original Bill permitting the landing and embarkation of certain articles free of charge. The committee could see no reason why some small rate should not be levied on all articles which made use of the commissioners' works, which were constructed and kept in repair for the convenience of trade: the articles enumerated in the section, bricks, straw, and market produce, were as well able to pay a toll as any other.

From Section 52, which compelled the commissioners to provide ghâts and bathing places, the committee had struck out that portion of the proviso which compelled the commissioners to provide such sufficient bathing ghâts "as shall be required for the convenience of the public." Under the section as amended the commissioners would be required to provide a ghât for every ghât they took away, but they were not to be compelled to provide an unlimited number of ghâts.

Section 54 was a new section enabling the commissioners to take possession of jetties, piers, and so forth, erected or built without the sanction of the Lieutenant-Governor, below high-water mark within one mile of the limits of the port, if the limits of the port should be extended so as to include the jetty, pier, or other work so made. That seemed rather a strong proceeding at first sight, but any person desiring to erect any such work had only to guard himself by first obtaining permission to undertake the work. The river-bed below high-water mark was the property of the crown, and if persons chose to erect works in the river below high-water mark without due permission, they must suffer for their want of precaution and be treated as trespassers.

Sections 58 to 60 were new, and gave power to the commissioners to require the conservator of the port to order up any ship as it came in to take up a certain position alongside a jetty for unloading. There seemed to be some misapprehension as to the effect of these sections. As the sections stood no ship could be moved after commencing to discharge or take in cargo: the sections would only apply to vessels as they came in, or before they had commenced to load or unload. Section 60 contained the same provisions as regards country boats.